

***** Welcome to STN International *****

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 NEWS 2 "Ask CAS" for self-help around the clock
 NEWS 3 SEP 09 CA/CAPlus records now contain indexing from 1907 to the present
 NEWS 4 AUG 05 New pricing for EUROPATFULL and PCTFULL effective August 1, 2003
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 NEWS 6 AUG 18 Data available for download as a PDF in RDISCLOSURE
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 NEWS 13 OCT 10 PCTFULL: Two new display fields added
 NEWS 14 OCT 21 BIOSIS file reloaded and enhanced
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NEWS EXPRESS NOVEMBER 14 CURRENT WINDOWS VERSION IS V6.01c, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 23 SEPTEMBER 2003
 NEWS HOURS STN Operating Hours Plus Help Desk Availability
 NEWS INTER General Internet Information
 NEWS LOGIN Welcome Banner and News Items
 NEWS PHONE Direct Dial and Telecommunication Network Access to STN
 NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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***** STN Columbus *****

FILE 'HOME' ENTERED AT 10:05:28 ON 24 NOV 2003

=> file reg		
COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 10:05:39 ON 24 NOV 2003
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 COPYRIGHT (C) 2003 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 23 NOV 2003 HIGHEST RN 620098-11-5
 DICTIONARY FILE UPDATES: 23 NOV 2003 HIGHEST RN 620098-11-5

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

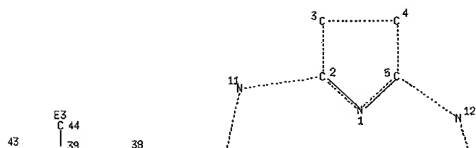
Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

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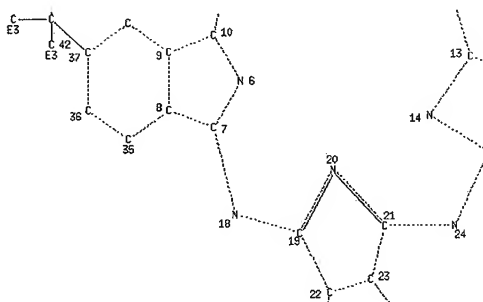
L1 STRUCTURE UPLOADED

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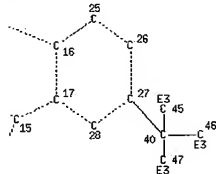
L1 STR



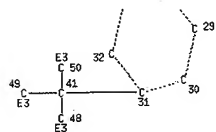
Page 1-A



Page 2-A



Page 2-B



Page 3-A

NODE ATTRIBUTES:

HCOUNT	IS	E3	AT	42
HCOUNT	IS	E3	AT	43
HCOUNT	IS	E3	AT	44
HCOUNT	IS	E3	AT	45
HCOUNT	IS	E3	AT	46
HCOUNT	IS	E3	AT	47
HCOUNT	IS	E3	AT	48
HCOUNT	IS	E3	AT	49
HCOUNT	IS	E3	AT	50
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NSPEC	IS	R	AT	4
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NSPEC	IS	R	AT	6
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NSPEC	IS	C	AT	50
DEFAULT	MLEVEL	IS	ATOM	
MLEVEL	IS	CLASS	AT	33 34 39 40 41 42 43 44 45 46 47 48 49 50
DEFAULT	ECLEVEL	IS	LIMITED	

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 50

STEREO ATTRIBUTES: NONE

=> s l1

SAMPLE SEARCH INITIATED 10:10:57 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 105 TO ITERATE

100.0% PROCESSED 105 ITERATIONS 29 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 1486 TO 2714
PROJECTED ANSWERS: 257 TO 903

L2 29 SEA SSS SAM L1

=> search l1

ENTER TYPE OF SEARCH (SSS), CSS, FAMILY, OR EXACT:exact
ENTER SCOPE OF SEARCH (SAMPLE), FULL, RANGE, OR SUBSET:full
FULL SEARCH INITIATED 10:11:49 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 1 TO ITERATE

100.0% PROCESSED 1 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

L3 0 SEA EXA FUL L1

=>

L4 STRUCTURE UPLOADED

=> s l4

SAMPLE SEARCH INITIATED 10:13:33 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 105 TO ITERATE

100.0% PROCESSED 105 ITERATIONS 32 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 1486 TO 2714
PROJECTED ANSWERS: 301 TO 979

L5 32 SEA SSS SAM L4

=> search l4

ENTER TYPE OF SEARCH (SSS), CSS, FAMILY, OR EXACT:exact
ENTER SCOPE OF SEARCH (SAMPLE), FULL, RANGE, OR SUBSET:full
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FULL SCREEN SEARCH COMPLETED - 1 TO ITERATE

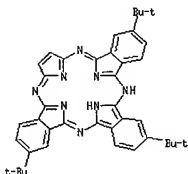
100.0% PROCESSED 1 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

L6 1 SEA EXA FUL L4

=> d l6

L6 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN
RN 325969-55-9 REGISTRY
CN 27H,29H-Tribenzo[b,g,l]porphyrazine, 2,9,16-tris(1,1-dimethylethyl)- (9CI)

(CA INDEX NAME)
MF C40 H40 N8
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file ca		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	107.18	107.39

FILE 'CA' ENTERED AT 10:14:28 ON 24 NOV 2003
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FILE COVERS 1907 - 20 Nov 2003 VOL 139 ISS 22
FILE LAST UPDATED: 20 Nov 2003 (20031120/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 16
L7 1 L6

=> d 17

L7 ANSWER 1 OF 1 CA COPYRIGHT 2003 ACS on STN

	Full Text	Chemical Abstracts
AN	134:186026	CA
TI	Selectively light-absorptive material, coating composition containing the same, and filter manufactured using the coating composition for color displays	
IN	Yang, Seung-Gak; Park, Jin-Bum; Bae, Geun-Taek; Lee, Ho-Chan	
PA	SKC Co., Ltd., S. Korea	
SO	PCT Int. Appl., 51 pp.	

CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
<u>PI</u>	<u>WO 2001010971</u>	<u>A1</u>	<u>20010215</u>	<u>WO 2000-KR829</u>	<u>20000729</u>
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	<u>EP 1212384</u>	<u>A1</u>	<u>20020612</u>	<u>EP 2000-948380</u>	<u>20000729</u>
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
<u>PRAI</u>	<u>KR 1999-31991</u>	<u>A</u>	<u>19990804</u>		
	<u>KR 1999-31992</u>	<u>A</u>	<u>19990804</u>		
	<u>KR 2000-28992</u>	<u>A</u>	<u>20000529</u>		
	<u>KR 2000-41426</u>	<u>A</u>	<u>20000719</u>		
	<u>WO 2000-KR829</u>	<u>W</u>	<u>20000729</u>		

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=>

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NEWS EXPRESS NOVEMBER 14 CURRENT WINDOWS VERSION IS V6.01c, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 23 SEPTEMBER 2003
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 NEWS INTER General Internet Information
 NEWS LOGIN Welcome Banner and News Items
 NEWS PHONE Direct Dial and Telecommunication Network Access to STN
 NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 17:24:01 ON 14 NOV 2003

=> file reg		
COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 17:24:24 ON 14 NOV 2003
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STRUCTURE FILE UPDATES: 13 NOV 2003 HIGHEST RN 616855-37-9
 DICTIONARY FILE UPDATES: 13 NOV 2003 HIGHEST RN 616855-37-9

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

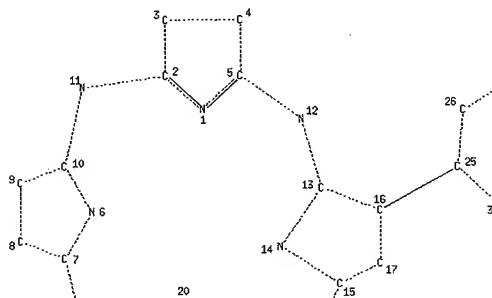
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L1 STRUCTURE UPLOADED

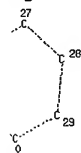
=> dis que

L1

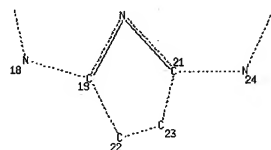
STR



Page 1-A



Page 1-B



Page 2-A

NODE ATTRIBUTES:

NSPEC	IS R	AT	1
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NSPEC	IS R	AT	3
NSPEC	IS R	AT	4
NSPEC	IS R	AT	5
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 NSPEC IS R AT 30
 DEFAULT MLEVEL IS ATOM
 DEFAULT ELEVEL IS LIMITED

GRAPH ATTRIBUTES:
 RING(S) ARE ISOLATED OR EMBEDDED
 NUMBER OF NODES IS 30

STEREO ATTRIBUTES: NONE

=> s 11
 SAMPLE SEARCH INITIATED 17:36:49 FILE 'REGISTRY'
 SAMPLE SCREEN SEARCH COMPLETED - 85 TO ITERATE

100.0% PROCESSED 85 ITERATIONS 40 ANSWERS
 SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
 PROJECTED ITERATIONS: 1147 TO 2253
 PROJECTED ANSWERS: 421 TO 1179

L2 40 SEA SSS SAM L1

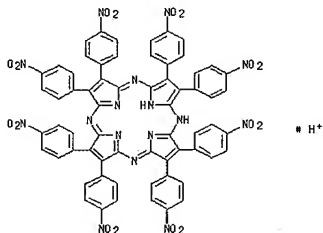
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 ENTER TYPE OF SEARCH (SSS), CSS, FAMILY, OR EXACT:d 12 1-10
 ONLY ONE SEARCH TYPE IS ALLOWED
 ENTER TYPE OF SEARCH (SSS), CSS, FAMILY, OR EXACT:.
 ENTER SCOPE OF SEARCH (SAMPLE), FULL, RANGE, OR SUBSET:full
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 FULL SCREEN SEARCH COMPLETED - 1461 TO ITERATE

100.0% PROCESSED 1461 ITERATIONS 581 ANSWERS
 SEARCH TIME: 00.00.01

L3 581 SEA SSS FUL L1

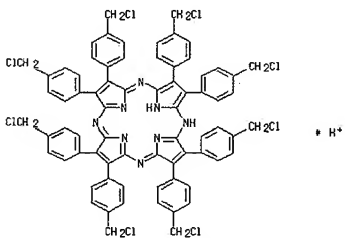
=> d 13 1-10

L3 ANSWER 1 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
 RN 599149-89-0 REGISTRY
 CN 21H,23H-Porphyrzine, 2,3,7,8,12,13,17,18-octakis(4-nitrophenyl)-,
 conjugate monoacid (9CI) (CA INDEX NAME)
 MF C64 H34 N16 O16 . H
 SR CA
 LC STN Files: CA, CAPLUS
 CRN (167962-42-7)



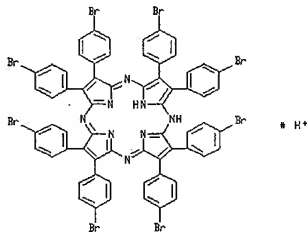
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 2 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
RN 599149-87-8 REGISTRY
CN 21H,23H-Porphyrizine, 2,3,7,8,12,13,17,18-octakis[4-(chloromethyl)phenyl]-
conjugate monoacid (9CI) (CA INDEX NAME)
MF C72 H50 Cl8 N8 . H
SR CA
LC STN Files: CA, CAPLUS
CRN (151586-06-0)



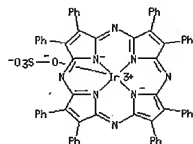
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 3 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
RN 599149-85-6 REGISTRY
CN 21H,23H-Porphyrizine, 2,3,7,8,12,13,17,18-octakis[4-(bromomethyl)phenyl]-,
conjugate monoacid (9CI) (CA INDEX NAME)
MF C64 H34 Br8 N8 . H
SR CA
LC STN Files: CA, CAPLUS
CRN (154065-75-5)



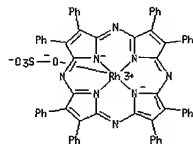
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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 4 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
RN 581102-65-0 REGISTRY
CN Iridate(1-), [2,3,7,8,12,13,17,18-octaphenyl-21H,23H-porphyrizinato(2-)-
κN21,κN22,κN23,κN24] [sulfato(2-)-κO]-,
hydrogen, (SP-5-12)- (9CI) (CA INDEX NAME)
MF C64 H40 Ir N8 O4 S . H
CI CCS
SR CA
LC STN Files: CA, CAPLUS



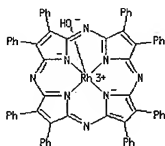
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 5 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
RN 581102-63-8 REGISTRY
CN Rhodate(1-), [2,3,7,8,12,13,17,18-octaphenyl-21H,23H-porphyrizinato(2-)-
κN21,κN22,κN23,κN24] [sulfato(2-)-κO]-,
hydrogen, (SP-5-12)- (9CI) (CA INDEX NAME)
MF C64 H40 N8 O4 Rh S . H
CI CCS
SR CA
LC STN Files: CA, CAPLUS



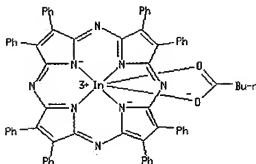
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 6 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
 RN 581102-62-7 REGISTRY
 CN Rhodium, hydroxy[2,3,7,8,12,13,17,18-octaphenyl-21H,23H-porphyrizinato(2-)-
 κN21,κN22,κN23,κN24]-, (SP-5-12)- (9CI) (CA INDEX
 NAME)
 MF C64 H41 N8 O Rh
 CI CCS
 SR CA
 LC STN Files: CA, CAPLUS



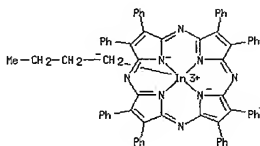
1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 7 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
 RN 552319-11-6 REGISTRY
 CN Indium, [2,3,7,8,12,13,17,18-octaphenyl-21H,23H-porphyrizinato(2-)-
 κN21,κN22,κN23,κN24] (pentanoato-
 KO,KO')-, (TP-6-132)- (9CI) (CA INDEX NAME)
 MF C69 H49 In N8 O2
 CI CCS
 SR CA
 LC STN Files: CA, CAPLUS, CASREACT



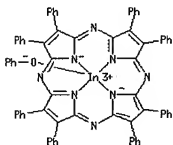
1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 8 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
 RN 552319-10-5 REGISTRY
 CN Indium, butyl[2,3,7,8,12,13,17,18-octaphenyl-21H,23H-porphyrizinato(2-)-
 κN21,κN22,κN23,κN24]-, (SP-5-31)- (9CI) (CA INDEX
 NAME)
 MF C68 H49 In N8
 CI CCS
 SR CA
 LC STN Files: CA, CAPLUS, CASREACT



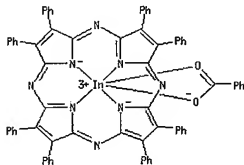
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 9 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
RN 552319-09-2 REGISTRY
CN Indium, [2,3,7,8,12,13,17,18-octaphenyl-21H,23H-porphyrizinato(2-)-
κN21,κN22,κN23,κN24]phenoxy-, (SP-5-12)- (9CI)
(CA INDEX NAME)
MF C70 H45 In N8 O
CI CCS
SR CA
LC STN Files: CA, CAPLUS, CASREACT



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 10 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
RN 552319-08-1 REGISTRY
CN Indium, (benzoato-κO,κO') [2,3,7,8,12,13,17,18-octaphenyl-
21H,23H-porphyrizinato(2-)-κN21,κN22,κN23,κN24]-,
(TP-6-132)- (9CI) (CA INDEX NAME)
MF C71 H45 In N8 O2
CI CCS
SR CA
LC STN Files: CA, CAPLUS, CASREACT

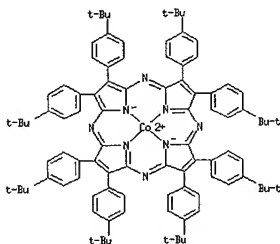


1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> d 13 570-581

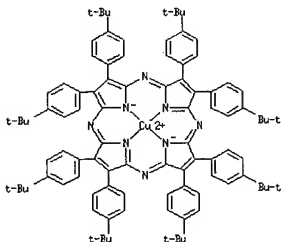
L3 ANSWER 570 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
RN 50988-34-6 REGISTRY
CN Cobalt, [2,3,7,8,12,13,17,18-octakis[4-(1,1-dimethylethyl)phenyl]-21H,23H-
porphyrizinato(2-)-κN21,κN22,κN23,κN24]-,
(SP-4-1)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 21H,23H-Porphyrazine, 2,3,7,8,12,13,17,18-octakis[4-(1,1-
dimethylethyl)phenyl]-, cobalt complex
CN 21H,23H-Porphyrazine, cobalt deriv.
CN Cobalt, [2,3,7,8,12,13,17,18-octakis[4-(1,1-dimethylethyl)phenyl]-21H,23H-
porphyrizinato(2-)-N21,N22,N23,N24]-, (SP-4-1)-
MF C96 H104 Co N8
CI CCS

LC STN Files: CA, CAPLUS, USPATFULL



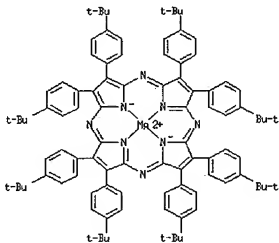
3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 571 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
RN 50988-33-5 REGISTRY
CN Copper, [2,3,7,8,12,13,17,18-octakis[4-(1,1-dimethylethyl)phenyl]-21H,23H-porphyrazinato(2-)-N21,N22,N23,N24]-, (SP-4-1)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 21H,23H-Porphyrazine, 2,3,7,8,12,13,17,18-octakis[4-(1,1-dimethylethyl)phenyl]-, copper complex
CN 21H,23H-Porphyrazine, copper deriv.
MF C96 H104 Cu N8
CI CCS
LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 572 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
RN 50988-32-4 REGISTRY
CN Magnesium, [2,3,7,8,12,13,17,18-octakis[4-(1,1-dimethylethyl)phenyl]-21H,23H-porphyrazinato(2-)-N21,N22,N23,N24]-, (SP-4-1)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 21H,23H-Porphyrazine, 2,3,7,8,12,13,17,18-octakis[4-(1,1-dimethylethyl)phenyl]-, magnesium complex
CN 21H,23H-Porphyrazine, magnesium deriv.
MF C96 H104 Mg N8
CI CCS
LC STN Files: CA, CAPLUS



2 REFERENCES IN FILE CA (1907 TO DATE)

2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

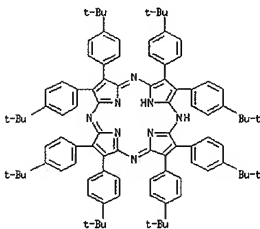
L3 ANSWER 573 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN

RN 50717-50-5 REGISTRY

CN 21H,23H-Porphyrazine, 2,3,7,8,12,13,17,18-octakis[4-(1,1-dimethylethyl)phenyl]- (9CI) (CA INDEX NAME)

MF C96 H106 N8

LC STN Files: CA, CAPLUS, CASREACT



3 REFERENCES IN FILE CA (1907 TO DATE)

3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 574 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN

RN 37314-73-1 REGISTRY

CN Copper, [22,23-diphenyl-27H,29H-tribenzo[b,g,l]porphyrazinato(2-)-N27,N28,N29,N30]-, (SP-4-2)-, mixt. with (SP-4-1)-[29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]copper (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 27H,29H-Tribenzo[b,g,l]porphyrazine, 22,23-diphenyl-, copper complex

CN 27H,29H-Tribenzo[b,g,l]porphyrazine, copper deriv.

CN 29H,31H-Phthalocyanine, copper complex

CN 29H,31H-Phthalocyanine, copper deriv.

CN Copper, [29H,31H-phthalocyanine(2-)-N29,N30,N31,N32]-, (SP-4-1)-, mixt. contg. (9CI)

OTHER NAMES:

CN Copper phthalocyanine mixt. with copper tribenzodiphenyltetraazaporphine

MF C40 H22 Cu N8 . C32 H16 Cu N8

CI MXS

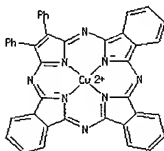
LC STN Files: CA, CAPLUS

CM 1

CRN 35244-72-5

CMF C40 H22 Cu N8

CCI CCS



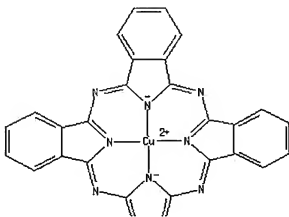
CM 2

CRN 147-14-8

CMF C32 H16 Cu N8

CCI CCS

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1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 575 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN

RN 35244-72-5 REGISTRY

CN Copper, [22,23-diphenyl-27H,29H-tribenzo[b,g,l]porphyrazinato(2-)-N27,N28,N29,N30]-, (SP-4-2)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 27H,29H-Tribenzo[b,g,l]porphyrazine, 22,23-diphenyl-, copper complex

CN 27H,29H-Tribenzo[b,g,l]porphyrazine, copper deriv.

OTHER NAMES:

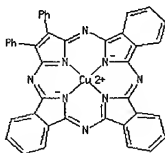
CN Copper, [22,23-diphenyltribenzo[b,g,l]porphyrazinato(2-)]-

DR 34032-51-4

MF C40 H22 Cu N8

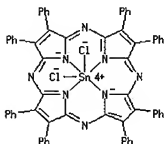
CI CCS, COM

LC STN Files: CA, CAPLUS, IFICDB, IFIPAT, IFIUDB



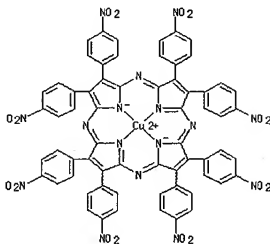
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 576 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
RN 25794-33-6 REGISTRY
CN Tin, dichloro[2,3,7,8,12,13,17,18-octaphenyl-21H,23H-porphyrizinato(2-)-
κN21,κN22,κN23,κN24]-, (OC-6-12)- (9CI) (CA INDEX
NAME)
OTHER CA INDEX NAMES:
CN Tin, dichloro[2,3,7,8,12,13,17,18-octaphenylporphyrizinato(2-)]- (8CI)
MF C64 H40 Cl2 N8 Sn
CI CCS
LC STN Files: CA, CAPLUS



2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 577 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
RN 15259-67-3 REGISTRY
CN Copper, [2,3,7,8,12,13,17,18-octakis(4-nitrophenyl)-21H,23H-
porphyrizinato(2-)-κN21,κN22,κN23,κN24]-,
(SP-4-1)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 21H,23H-Porphyrazine, 2,3,7,8,12,13,17,18-octakis(4-nitrophenyl)-, copper
complex
CN 21H,23H-Porphyrazine, copper deriv.
CN Copper, [2,3,7,8,12,13,17,18-octakis(4-nitrophenyl)-21H,23H-
porphyrizinato(2-)-N21,N22,N23,N24]-, (SP-4-1)-
CN Copper, [octakis(p-nitrophenyl)porphyrizinato(2-)]- (7CI)
CN Porphyrazine, octakis(p-nitrophenyl)-, copper deriv. (6CI)
MF C64 H32 Cu N16 O16
CI CCS
LC STN Files: CA, CAOLD, CAPLUS, TOXCENTER

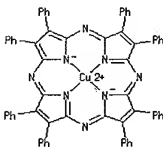


2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)
2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 578 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
RN 15006-60-7 REGISTRY
CN Copper, [2,3,7,8,12,13,17,18-octaphenyl-21H,23H-porphyrazinato(2-)-
κN21,κN22,κN23,κN24]-, (SP-4-1)- (9CI) (CA INDEX
NAME)

OTHER CA INDEX NAMES:

CN 21H,23H-Porphyraziné, 2,3,7,8,12,13,17,18-octaphenyl-, copper complex
CN 21H,23H-Porphyrazine, copper deriv.
CN Copper, [2,3,7,8,12,13,17,18-octaphenyl-21H,23H-porphyrazinato(2-)-
N21,N22,N23,N24]-, (SP-4-1)-
CN Copper, [2,3,7,8,12,13,17,18-octaphenylporphyrazinato(2-)]- (8CI)
CN Copper, [octaphenylporphyrazinato(2-)]- (7CI)
CN Porphyrazine, octaphenyl-, copper deriv. (6CI)
MF C64 H40 Cu N8
CI CCS
LC STN Files: CA, CAOLD, CAPLUS, GMELIN*, USPATFULL
(*File contains numerically searchable property data)



11 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
11 REFERENCES IN FILE CAPLUS (1907 TO DATE)
2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

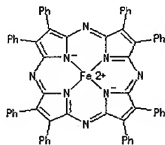
L3 ANSWER 579 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
RN 14915-96-9 REGISTRY
CN Iron, [2,3,7,8,12,13,17,18-octaphenyl-21H,23H-porphyrazinato(2-)-
N21,N22,N23,N24]-, (SP-4-1)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 21H,23H-Porphyrazine, iron deriv.
CN Iron, [(2,3,7,8,12,13,17,18-octaphenylporphyrazinato(2-)]- (8CI)
CN Iron, [octaphenylporphyrazinato(2-)]- (7CI)

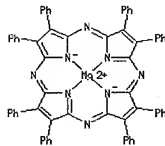
OTHER NAMES:

CN (Octaphenylporphyrazinato)iron
CN (Octaphenyltetraazaporphinato)iron
MF C64 H40 Fe N8
CI CCS
LC STN Files: CA, CAOLD, CAPLUS, TOXCENTER



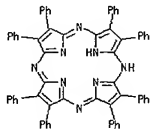
4 REFERENCES IN FILE CA (1907 TO DATE)
4 REFERENCES IN FILE CAPLUS (1907 TO DATE)
2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 580 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
RN 14640-02-9 REGISTRY
CN Magnesium, [2,3,7,8,12,13,17,18-octaphenyl-21H,23H-porphyrizinato(2-)-
kN21,kN22,kN23,kN24]- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 21H,23H-Porphyrazine, 2,3,7,8,12,13,17,18-octaphenyl-, magnesium complex
CN 21H,23H-Porphyrazine, magnesium deriv.
CN Magnesium, [(2,3,7,8,12,13,17,18-octaphenyl-5,10,15,20-
tetraazaporphinato)(2-)]- (8CI)
CN Magnesium, [2,3,7,8,12,13,17,18-octaphenyl-21H,23H-porphyrizinato(2-)-
N21,N22,N23,N24]-
CN Magnesium, [octaphenylporphyrizinato(2-)]- (7CI)
OTHER NAMES:
CN (5,10,15,20-Tetraaza-2,3,7,8,12,13,17,18-octaphenylporphine)magnesium
CN (Octaphenylporphyrizinato)magnesium
MF C64 H40 Mg N8
CI CCS
LC STN Files: CA, CAOLD, CAPLUS



20 REFERENCES IN FILE CA (1907 TO DATE)
20 REFERENCES IN FILE CAPLUS (1907 TO DATE)
3 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 581 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
RN 4645-35-6 REGISTRY
CN 21H,23H-Porphyrazine, 2,3,7,8,12,13,17,18-octaphenyl- (9CI) (CA INDEX
NAME)
OTHER CA INDEX NAMES:
CN Porphyrazine, 2,3,7,8,12,13,17,18-octaphenyl- (8CI)
CN Porphyrazine, octaphenyl- (6CI, 7CI)
MF C64 H42 N8
CI COM
LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, DETHERM*, IFICDB, IFIPAT,
IFIUDB, USPATFULL
(*File contains numerically searchable property data)



27 REFERENCES IN FILE CA (1907 TO DATE)
 2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 27 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 3 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> d 13 560-569

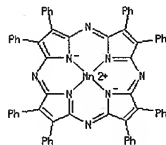
L3 ANSWER 560 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
 RN 96528-14-2 REGISTRY
 CN Manganese, [2,3,7,8,12,13,17,18-octaphenyl-21H,23H-porphyrazinato(2-)-
 kN21,kN22,kN23,kN24]-, (SP-4-1)- (9CI) (CA INDEX
 NAME)

OTHER CA INDEX NAMES:

CN 21H,23H-Porphyrazine, 2,3,7,8,12,13,17,18-octaphenyl-, manganese complex
 CN 21H,23H-Porphyrazine, manganese deriv.
 CN Manganese, [2,3,7,8,12,13,17,18-octaphenyl-21H,23H-porphyrazinato(2-)-
 N21,N22,N23,N24]-, (SP-4-1)-

OTHER NAMES:

CN Octaphenylporphyrazinatomanganese
 MF C64 H40 Mn N8
 CI CCS
 LC STN Files: CA, CAPLUS

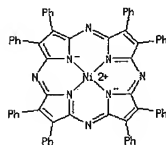


2 REFERENCES IN FILE CA (1907 TO DATE)
 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 561 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
 RN 79680-25-4 REGISTRY
 CN Nickel, [2,3,7,8,12,13,17,18-octaphenyl-21H,23H-porphyrazinato(2-)-
 N21,N22,N23,N24]-, (SP-4-1)- (9CI) (CA INDEX NAME)

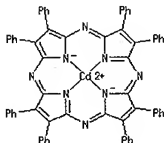
OTHER CA INDEX NAMES:

CN 21H,23H-Porphyrazine, 2,3,7,8,12,13,17,18-octaphenyl-, nickel complex
 CN 21H,23H-Porphyrazine, nickel deriv.
 MF C64 H40 N8 Ni
 CI CCS
 LC STN Files: CA, CAPLUS



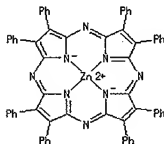
3 REFERENCES IN FILE CA (1907 TO DATE)
 3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 562 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
 RN 79680-24-3 REGISTRY
 CN Cadmium, [2,3,7,8,12,13,17,18-octaphenyl-21H,23H-porphyrizinato(2-)-N21,N22,N23,N24]-, (SP-4-1)- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 21H,23H-Porphyrazine, 2,3,7,8,12,13,17,18-octaphenyl-, cadmium complex
 CN 21H,23H-Porphyrazine, cadmium deriv.
 MF C64 H40 Cd N8
 CI CCS
 LC STN Files: CA, CAPLUS



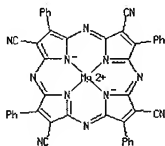
2 REFERENCES IN FILE CA (1907 TO DATE)
 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 563 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
 RN 71744-36-0 REGISTRY
 CN Zinc, [2,3,7,8,12,13,17,18-octaphenyl-21H,23H-porphyrizinato(2-)-kN21,kN22,kN23,kN24]-, (SP-4-1)- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 21H,23H-Porphyrazine, 2,3,7,8,12,13,17,18-octaphenyl-, zinc complex
 CN 21H,23H-Porphyrazine, zinc deriv.
 CN Zinc, [2,3,7,8,12,13,17,18-octaphenyl-21H,23H-porphyrizinato(2-)-N21,N22,N23,N24]-, (SP-4-1)-
 MF C64 H40 N8 Zn
 CI CCS
 LC STN Files: CA, CAPLUS



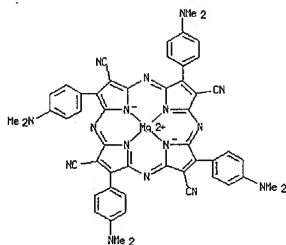
7 REFERENCES IN FILE CA (1907 TO DATE)
 7 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 564 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
 RN 71595-89-6 REGISTRY
 CN Magnesium, [3,8,13,18-tetraphenyl-21H,23H-porphyrazine-2,7,12,17-tetracarbonitrilato(2-)-kN21,kN22,kN23,kN24]-, (SP-4-1)- (9CI) (CA INDEX NAME)
 MF C44 H20 Mg N12
 CI CCS
 LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

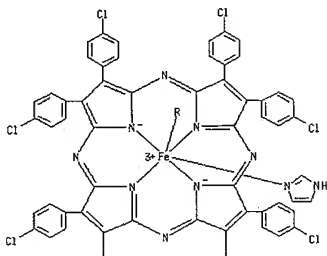
L3 ANSWER 565 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
RN 71595-88-5 REGISTRY
CN Magnesium, [3,8,13,18-tetrakis[4-(dimethylamino)phenyl]-21H,23H-porphyrazine-2,7,12,17-tetracarbonitrilato(2-)-kN21,kN22,kN23,kN24]-, (SP-4-1)- (9CI) (CA INDEX NAME)
MF C52 H40 Mg N16
CI CCS
LC STN Files: CA, CAPLUS



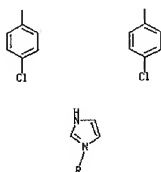
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 566 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
RN 52155-18-7 REGISTRY
CN Iron(1+), bis(1H-imidazole-N3) [2,3,7,8,12,13,17,18-octakis(4-chlorophenyl)-21H,23H-porphyrazinato(2-)-N21,N22,N23,N24]-, (OC-6-12)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1H-Imidazole, iron complex
CN 21H,23H-Porphyrazine, 2,3,7,8,12,13,17,18-octakis(4-chlorophenyl)-, iron complex
CN 21H,23H-Porphyrazine, iron(1+) deriv.
MF C70 H40 Cl8 Fe N12
CI CCS
LC STN Files: CA, CAPLUS

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PAGE 2-A

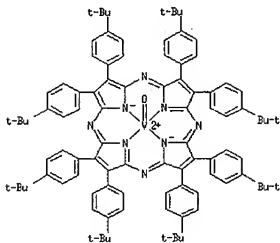


- 1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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L3  ANSWER 567 OF 581  REGISTRY  COPYRIGHT 2003 ACS on STN
RN  51041-29-3  REGISTRY
CN  Vanadium, [2,3,7,8,12,13,17,18-octakis[4-(1,1-dimethylethyl)phenyl]-
    21H,23H-porphyrazinato(2-)-N21,N22,N23,N24]oxo-, (SP-5-12)- (9CI) (CA
    INDEX NAME)
OTHER CA INDEX NAMES:
CN  21H,23H-Porphyrazine, 2,3,7,8,12,13,17,18-octakis[4-(1,1-
    dimethylethyl)phenyl]-, vanadium complex
MF  C96 H104 N8 O V
CI  CCS
LC  STN Files:  CA, CAPLUS, USPATFULL

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- 2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 568 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
RN 51041-28-2 REGISTRY
CN Palladium, [2,3,7,8,12,13,17,18-octakis[4-(1,1-dimethylethyl)phenyl]-

21H,23H-porphyrazinato(2-)-N21,N22,N23,N24]-, (SP-4-1)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

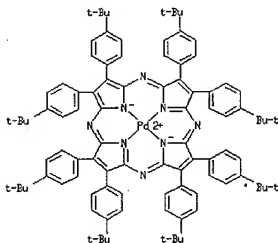
CN 21H,23H-Porphyrazine, 2,3,7,8,12,13,17,18-octakis[4-(1,1-dimethylethyl)phenyl]-, palladium complex

CN 21H,23H-Porphyrazine, palladium deriv.

MF C96 H104 N8 Pd

CI CCS

LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 569 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN

RN 50988-35-7 REGISTRY

CN Iron, [2,3,7,8,12,13,17,18-octakis[4-(1,1-dimethylethyl)phenyl]-21H,23H-porphyrazinato(2-)-N21,N22,N23,N24]-, (SP-4-1)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

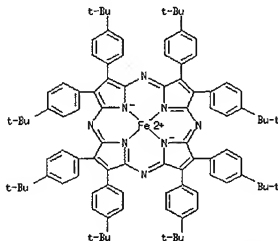
CN 21H,23H-Porphyrazine, 2,3,7,8,12,13,17,18-octakis[4-(1,1-dimethylethyl)phenyl]-, iron complex

CN 21H,23H-Porphyrazine, iron deriv.

MF C96 H104 Fe N8

CI CCS

LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> d 13 500-559

L3 ANSWER 500 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN

RN 154937-09-4 REGISTRY

CN Zincate(2-), [5,9,10,14,19,23,24,28-octaphenyl-29H,31H-dinaphtho[2,3-b:2',3'-1]porphyrazinato(2-)-N29,N30,N31,N32]-, (SP-4-1)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

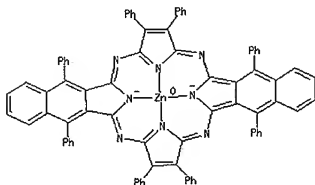
CN 29H,31H-Dinaphtho[2,3-b:2',3'-1]porphyrazine, zincate(2-) deriv.

MF C80 H48 N8 Zn

CI CCS

SR CA

LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 501 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN

RN 154937-08-3 REGISTRY

CN Zincate(1-), [5,9,10,14,19,23,24,28-octaphenyl-29H,31H-dinaphtho[2,3-b:2',3'-1]porphyrazinato(2-)-N29,N30,N31,N32]-, (SP-4-1)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

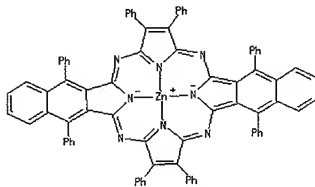
CN 29H,31H-Dinaphtho[2,3-b:2',3'-1]porphyrazine, zincate(1-) deriv.

MF C80 H48 N8 Zn

CI CCS

SR CA

LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 502 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN

RN 154937-07-2 REGISTRY

CN Zinc(1+), [5,9,10,14,19,23,24,28-octaphenyl-29H,31H-dinaphtho[2,3-b:2',3'-1]porphyrazinato(2-)-N29,N30,N31,N32]-, (SP-4-1)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 29H,31H-Dinaphtho[2,3-b:2',3'-1]porphyrazine, zinc(1+) deriv.

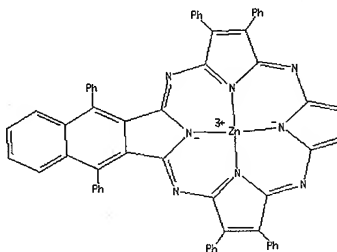
MF C80 H48 N8 Zn

CI CCS

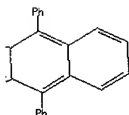
SR CA

LC STN Files: CA, CAPLUS

PAGE 1-A

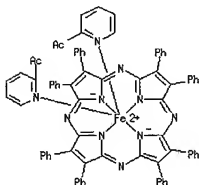


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1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

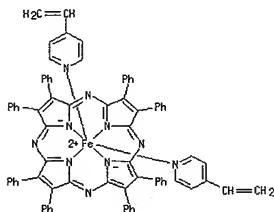
L3 ANSWER 503 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
RN 154857-48-4 REGISTRY
CN Iron, [2,3,7,8,12,13,17,18-octaphenyl-21H,23H-porphyrinato(2-)-N21,N22,N23,N24]bis[1-(2-pyridinyl)ethanone-N]-, (OC-6-12)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 21H,23H-Porphyrazine, iron deriv.
MF C78 H54 Fe N10 O2
CI CCS
SR CA
LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

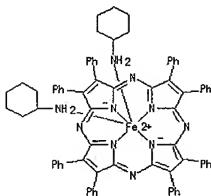
L3 ANSWER 504 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
RN 154857-47-3 REGISTRY
CN Iron, bis(4-ethenylpyridine) [2,3,7,8,12,13,17,18-octaphenyl-21H,23H-porphyrinato(2-)-N21,N22,N23,N24]-, (OC-6-12)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 21H,23H-Porphyrazine, iron deriv.
MF C78 H54 Fe N10

CI CCS
SR CA
LC STN Files: CA, CAPLUS



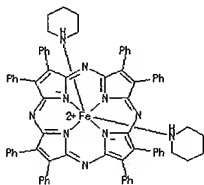
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 505 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
RN 154828-00-9 REGISTRY
CN Iron, bis(cyclohexanamine) [2,3,7,8,12,13,17,18-octaphenyl-21H,23H-porphyrizinato(2-)-N21,N22,N23,N24]-, (OC-6-12)-(9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 21H,23H-Porphyrizine, iron deriv.
MF C76 H66 Fe N10
CI CCS
SR CA
LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 506 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
RN 154827-99-3 REGISTRY
CN Iron, [2,3,7,8,12,13,17,18-octaphenyl-21H,23H-porphyrizinato(2-)-N21,N22,N23,N24]bis(piperidine)-, (OC-6-12)-(9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 21H,23H-Porphyrizine, iron deriv.
MF C74 H62 Fe N10
CI CCS
SR CA
LC STN Files: CA, CAPLUS



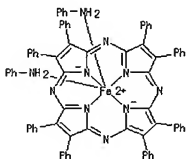
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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 507 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
RN 154827-98-2 REGISTRY
CN Iron, diammine[2,3,7,8,12,13,17,18-octaphenyl-21H,23H-porphyrizinato(2-)-N21,N22,N23,N24]-, (OC-6-12)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 21H,23H-Porphyrizine, iron deriv.
MF C64 H46 Fe N10
CI CCS
SR CA
LC STN Files: CA, CAPLUS

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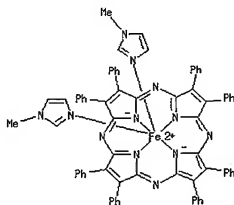
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 508 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
RN 154827-97-1 REGISTRY
CN Iron, bis(benzenamine) [2,3,7,8,12,13,17,18-octaphenyl-21H,23H-porphyrizinato(2-)-N21,N22,N23,N24]-, (OC-6-12)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 21H,23H-Porphyrizine, iron deriv.
MF C76 H54 Fe N10
CI CCS
SR CA
LC STN Files: CA, CAPLUS



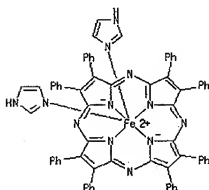
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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 509 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
RN 154827-96-0 REGISTRY
CN Iron, bis(1-methyl-1H-imidazole-N3) [2,3,7,8,12,13,17,18-octaphenyl-21H,23H-porphyrizinato(2-)-N21,N22,N23,N24]-, (OC-6-12)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 21H,23H-Porphyrizine, iron deriv.
MF C72 H52 Fe N12
CI CCS
SR CA
LC STN Files: CA, CAPLUS



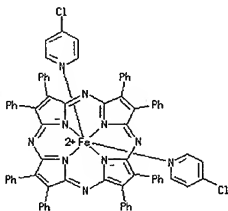
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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 510 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
RN 154827-95-9 REGISTRY
CN Iron, bis(1H-imidazole-κN3)[2,3,7,8,12,13,17,18-octaphenyl-21H,23H-porphyrazinato(2-)-κN21,κN22,κN23,κN24]-, (OC-6-12)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 21H,23H-Porphyrazine, iron deriv.
CN Iron, bis(1H-imidazole-N3)[2,3,7,8,12,13,17,18-octaphenyl-21H,23H-porphyrazinato(2-)-N21,N22,N23,N24]-, (OC-6-12)-
MF C70 H48 Fe N12
CI CCS
SR CA
LC STN Files: CA, CAPLUS



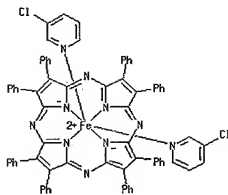
2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 511 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
RN 154827-94-8 REGISTRY
CN Iron, bis(4-chloropyridine)[2,3,7,8,12,13,17,18-octaphenyl-21H,23H-porphyrazinato(2-)-N21,N22,N23,N24]-, (OC-6-12)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 21H,23H-Porphyrazine, iron deriv.
MF C74 H48 Cl2 Fe N10
CI CCS
SR CA
LC STN Files: CA, CAPLUS



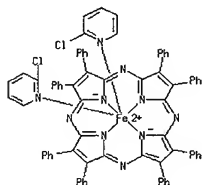
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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 512 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
RN 154827-93-7 REGISTRY
CN Iron, bis(3-chloropyridine) [2,3,7,8,12,13,17,18-octaphenyl-21H,23H-porphyrazinato(2-)-N21,N22,N23,N24]-, (OC-6-12)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 21H,23H-Porphyrazine, iron deriv.
MF C74 H48 Cl2 Fe N10
CI CCS
SR CA
LC STN Files: CA, CAPLUS



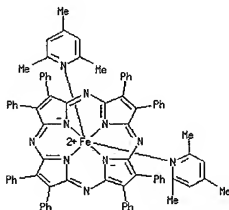
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 513 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
RN 154827-92-6 REGISTRY
CN Iron, bis(2-chloropyridine) [2,3,7,8,12,13,17,18-octaphenyl-21H,23H-porphyrazinato(2-)-N21,N22,N23,N24]-, (OC-6-12)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 21H,23H-Porphyrazine, iron deriv.
MF C74 H48 Cl2 Fe N10
CI CCS
SR CA
LC STN Files: CA, CAPLUS



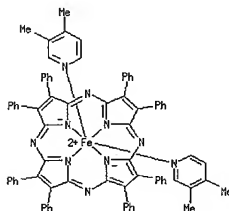
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 514 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
 RN 154827-91-5 REGISTRY
 CN Iron, [2,3,7,8,12,13,17,18-octaphenyl-21H,23H-porphyrazinato(2-)-N21,N22,N23,N24]bis(2,4,6-trimethylpyridine)-, (OC-6-12)- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 21H,23H-Porphyrazine, iron deriv.
 MF C80 H62 Fe N10
 CI CCS
 SR CA
 LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

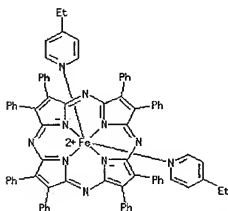
L3 ANSWER 515 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
 RN 154827-90-4 REGISTRY
 CN Iron, bis(3,4-dimethylpyridine) [2,3,7,8,12,13,17,18-octaphenyl-21H,23H-porphyrazinato(2-)-N21,N22,N23,N24]-, (OC-6-12)- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 21H,23H-Porphyrazine, iron deriv.
 MF C78 H58 Fe N10
 CI CCS
 SR CA
 LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

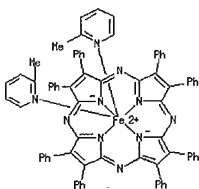
L3 ANSWER 516 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
 RN 154827-89-1 REGISTRY
 CN Iron, bis(4-ethylpyridine) [2,3,7,8,12,13,17,18-octaphenyl-21H,23H-porphyrazinato(2-)-N21,N22,N23,N24]-, (OC-6-12)- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 21H,23H-Porphyrazine, iron deriv.

MF C78 H58 Fe N10
 CI CCS
 SR CA
 LC STN Files: CA, CAPLUS



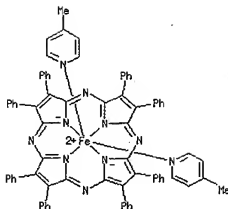
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 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 517 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
 RN 154827-88-0 REGISTRY
 CN Iron, bis(2-methylpyridine) [2,3,7,8,12,13,17,18-octaphenyl-21H,23H-porphyrazinato(2-)-N21,N22,N23,N24]-, (OC-6-12)- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 21H,23H-Porphyrazine, iron deriv.
 MF C76 H54 Fe N10
 CI CCS
 SR CA
 LC STN Files: CA, CAPLUS



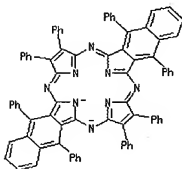
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 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 518 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
 RN 154827-87-9 REGISTRY
 CN Iron, bis(4-methylpyridine) [2,3,7,8,12,13,17,18-octaphenyl-21H,23H-porphyrazinato(2-)-kN21,kN22,kN23,kN24]-, (OC-6-12)- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 21H,23H-Porphyrazine, iron deriv.
 CN Iron, bis(4-methylpyridine) [2,3,7,8,12,13,17,18-octaphenyl-21H,23H-porphyrazinato(2-)-N21,N22,N23,N24]-, (OC-6-12)-
 MF C76 H54 Fe N10
 CI CCS
 SR CA
 LC STN Files: CA, CAPLUS



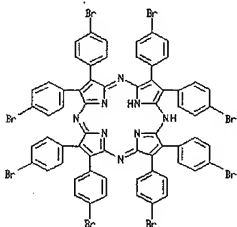
3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 519 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
RN 154721-61-6 REGISTRY
CN 29H,31H-Dinaphtho[2,3-b:2',3'-l]porphyrazine, 5,9,10,14,19,23,24,28-octaphenyl-, ion(2-) (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C80 H48 N8
SR CA
LC STN Files: CA, CAPLUS



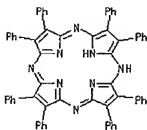
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 520 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
RN 154065-75-5 REGISTRY
CN 21H,23H-Porphyrazine, 2,3,7,8,12,13,17,18-octakis(4-bromophenyl)- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 2,3,7,8,12,13,17,18-Octakis(4-bromophenyl)-5,10,15,20-tetraazaporphyrin
CN Octa(p-bromophenyl)tetraazaporphine
CN Octakis(4-bromophenyl)tetraazaporphine
MF C64 H34 Br8 N8
CI COM
SR CA
LC STN Files: CA, CAPLUS



14 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 14 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 521 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
 RN 152633-93-7 REGISTRY
 CN 21H,23H-Porphyrazine, 2,3,7,8,12,13,17,18-octaphenyl-, conjugate monoacid
 (9CI) (CA INDEX NAME)
 MF C64 H42 N8 . H
 SR CA
 LC STN Files: CA, CAPLUS
 CRN (4645-35-6)

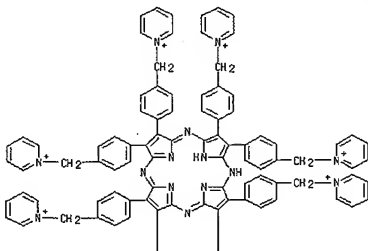


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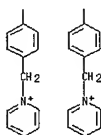
1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 522 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
 RN 151586-07-1 REGISTRY
 CN Pyridinium, 1,1',1'',1''',1'''',1'''''',1''''''',1''''''''-[21H,23H-porphyrazine-2,3,7,8,12,13,17,18-octayloctakis(4,1-phenylenemethylene)]octakis-, octachloride (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 21H,23H-Porphyrazine, pyridinium deriv.
 MF C112 H90 N16 . 8 Cl
 SR CA
 LC STN Files: CA, CAPLUS

PAGE 1-A



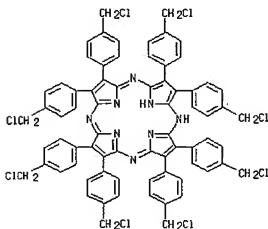
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- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

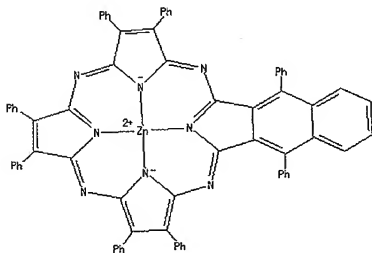
L3 ANSWER 523 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
 RN 151586-06-0 REGISTRY
 CN 21H,23H-Porphyrazine, 2,3,7,8,12,13,17,18-octakis[4-(chloromethyl)phenyl]-(9CI) (CA INDEX NAME)
 OTHER NAMES:
 CN Octakis[p-(chloromethyl)phenyl]tetraazaporphyrin
 MF C72 H50 Cl8 N8
 CI COM
 SR CA
 LC STN Files: CA, CAPLUS, DETHERM*
 (*File contains numerically searchable property data)



- 4 REFERENCES IN FILE CA (1907 TO DATE)
- 4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

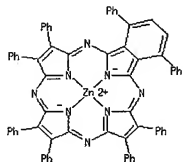
L3 ANSWER 524 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
 RN 144013-31-0 REGISTRY
 CN Zinc, [2,3,7,8,12,13,17,22-octaphenyl-25H,27H-naphtho[2,3-

b]porphyrazinato(2-)-N25,N26,N27,N28]-, (SP-4-2)- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 25H,27H-Naphtho[2,3-b]porphyrazine, zinc deriv.
 MF C72 H44 N8 Zn
 CI CCS
 SR CA
 LC STN Files: CA, CAPLUS



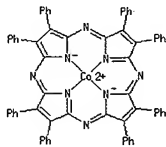
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 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 525 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
 RN 144013-30-9 REGISTRY
 CN Zinc, [1,4,8,9,13,14,18,19-octaphenyl-23H,25H-benzo[b]porphyrazinato(2-)-N23,N24,N25,N26]-, (SP-4-2)- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 23H,25H-Benzo[b]porphyrazine, zinc deriv.
 MF C68 H42 N8 Zn
 CI CCS
 SR CA
 LC STN Files: CA, CAPLUS



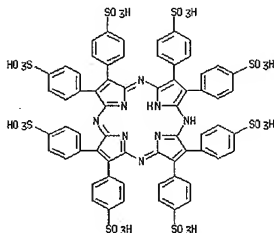
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 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 526 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
 RN 137001-49-1 REGISTRY
 CN Cobalt, [2,3,7,8,12,13,17,18-octaphenyl-21H,23H-porphyrazinato(2-)-kN21,kN22,kN23,kN24]-, (SP-4-1)- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 21H,23H-Porphyrazine, cobalt deriv.
 CN Cobalt, [2,3,7,8,12,13,17,18-octaphenyl-21H,23H-porphyrazinato(2-)-N21,N22,N23,N24]-, (SP-4-1)-
 MF C64 H40 Co N8
 CI CCS
 SR CA
 LC STN Files: CA, CAPLUS



5 REFERENCES IN FILE CA (1907 TO DATE)
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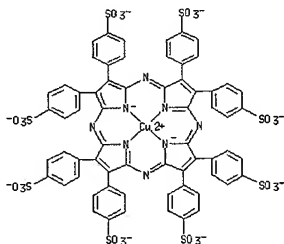
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L3 ANSWER 527 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
RN 136824-69-6 REGISTRY
CN Benzenesulfonic acid, 4,4',4'',4''',4'''',4''''',4''''''',4''''''''-(21H,23H-
porphyrazine-2,3,7,8,12,13,17,18-octayl)octakis- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 21H,23H-Porphyrazine, benzenesulfonic acid deriv.
MF C64 H42 N8 O24 S8
CI COM
SR CA
LC STN Files: CA, CAPLUS, DETHERM*
(*File contains numerically searchable property data)
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9 REFERENCES IN FILE CA (1907 TO DATE)
9 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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L3 ANSWER 528 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
RN 133370-92-0 REGISTRY
CN Cuprate(8-), [[4,4',4'',4''',4'''',4''''',4''''''',4'''''''-(21H,23H-
porphyrazine-2,3,7,8,12,13,17,18-octayl)octakis [benzenesulfonato]](10)-
N21,N22,N23,N24]-, octasodium, (SP-4-1)-(9CT) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 21H,23H-Porphyrazine, benzenesulfonic acid deriv., copper complex
CN 21H,23H-Porphyrazine, cuprate(8-) deriv.
CN Benzenesulfonic acid, 4,4',4'',4''',4'''',4''''',4'''''''-(21H,23H-
porphyrazine-2,3,7,8,12,13,17,18-octayl)octakis-, copper complex
MF C64 H32 Cu N8 O24 S8 . 8 Na
CI CCS
SR CA
LC STN Files: CA, CAPLUS
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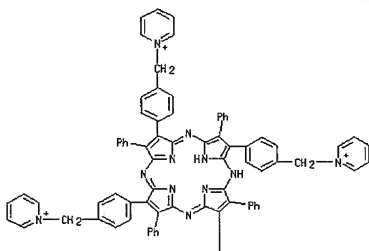
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* 8 Na⁺

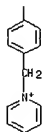
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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 529 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
RN 132827-33-9 REGISTRY
CN Pyridinium, 1,1',1'',1'''-[(3,8,13,18-tetraphenyl-21H,23H-porphyrazine-2,7,12,17-tetrayl)tetrakis(4,1-phenylenemethylene)]tetrakis-, tetrachloride (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 21H,23H-Porphyrazine, pyridinium deriv.
MF C88 H66 N12 . 4 Cl
SR CA
LC STN Files: CA, CAPLUS

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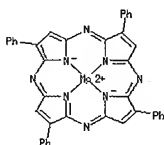
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* 4 Cl⁻

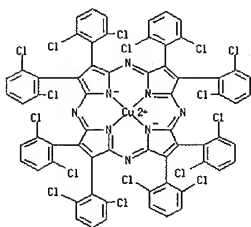
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2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 530 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
 RN 128871-49-8 REGISTRY
 CN Magnesium, [2,7,12,17-tetraphenyl-21H,23H-porphyrinato(2-)-
 N21,N22,N23,N24]-, (SP-4-1)- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 21H,23H-Porphyrazine, magnesium deriv.
 CN Porphyrazine, tetraphenyl-, Mg deriv. (6CI)
 MF C40 H24 Mg N8
 CI CCS
 SR CAOLD
 LC STN Files: CA, CAOLD, CAPLUS



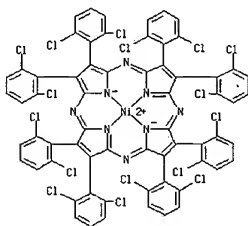
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 1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 531 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
 RN 127947-89-1 REGISTRY
 CN Porphyrazine, octakis(2,6-dichlorophenyl)-, copper complex (6CI) (CA
 INDEX NAME)
 MF C64 H24 Cl16 Cu N8
 CI CCS
 SR CAOLD
 LC STN Files: CAOLD



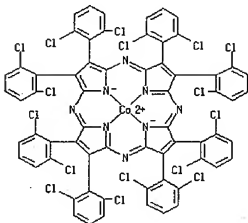
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 532 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
 RN 127947-88-0 REGISTRY
 CN Porphyrazine, octakis(2,6-dichlorophenyl)-, nickel complex (6CI) (CA
 INDEX NAME)
 MF C64 H24 Cl16 N8 Ni
 CI CCS
 SR CAOLD
 LC STN Files: CAOLD



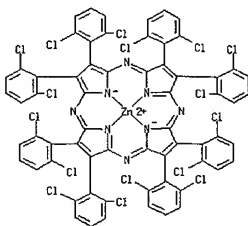
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L3 ANSWER 533 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
 RN 127947-87-9 REGISTRY
 CN Porphyrazine, octakis(2,6-dichlorophenyl)-, cobalt complex (6CI) (CA INDEX NAME)
 MF C64 H24 Cl16 Co N8
 CI CCS
 SR CAOLD
 LC STN Files: CAOLD



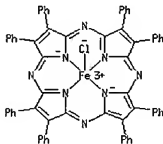
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L3 ANSWER 534 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
 RN 127858-33-7 REGISTRY
 CN Porphyrazine, octakis(2,6-dichlorophenyl)-, zinc complex (6CI) (CA INDEX NAME)
 MF C64 H24 Cl16 N8 Zn
 CI CCS
 SR CAOLD
 LC STN Files: CAOLD



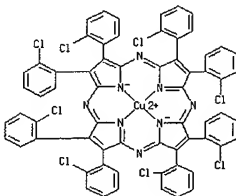
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 535 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
 RN 127858-32-6 REGISTRY
 CN Iron, chloro[2,3,7,8,12,13,17,18-octaphenyl-21H,23H-porphyrizinato(2-)-κN21,κN22,κN23,κN24]-, (SP-5-12)- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Iron, chloro[2,3,7,8,12,13,17,18-octaphenyl-21H,23H-porphyrizinato(2-)-N21,N22,N23,N24]-, (SP-5-12)-
 CN Porphyrazine, octaphenyl-, iron complex (6CI)
 MF C64 H40 Cl Fe N8
 CI CCS
 SR CAOLD
 LC STN Files: CA, CAOLD, CAPLUS, TOXCENTER



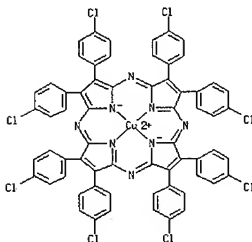
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 1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 536 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
 RN 127858-29-1 REGISTRY
 CN Porphyrazine, octakis(o-chlorophenyl)-, copper deriv. (6CI) (CA INDEX NAME)
 MF C64 H32 Cl8 Cu N8
 CI CCS
 SR CAOLD
 LC STN Files: CAOLD



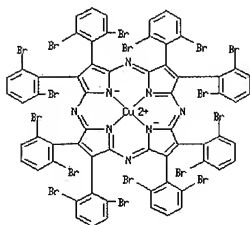
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 537 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
 RN 127858-28-0 REGISTRY
 CN Porphyrazine, octakis(p-chlorophenyl)-, copper deriv. (6CI) (CA INDEX NAME)
 MF C64 H32 Cl8 Cu N8
 CI CCS
 SR CAOLD
 LC STN Files: CAOLD



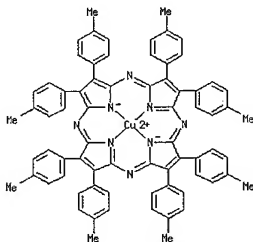
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 538 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
 RN 127858-27-9 REGISTRY
 CN Porphyrazine, octakis(2,6-dibromophenyl)-, copper complex (6CI) (CA INDEX NAME)
 MF C64 H24 Br16 Cu N8
 CI CCS
 SR CAOLD
 LC STN Files: CA, CAOLD, CAPLUS



1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 539 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
 RN 127233-79-8 REGISTRY
 CN Porphyrazine, octa-p-tolyl-, Cu deriv. (6CI) (CA INDEX NAME)
 MF C72 H56 Cu N8
 CI CCS
 SR CAOLD
 LC STN Files: CAOLD



1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

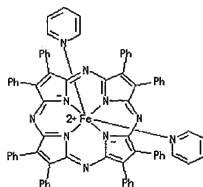
L3 ANSWER 540 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
 RN 123886-25-9 REGISTRY
 CN Iron, [2,3,7,8,12,13,17,18-octaphenyl-21H,23H-porphyrazinato(2-)-
 κN21,κN22,κN23,κN24]bis(pyridine)-, (OC-6-12)-
 (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 21H,23H-Porphyrazine, 2,3,7,8,12,13,17,18-octaphenyl-, iron complex
 CN 21H,23H-Porphyrazine, iron deriv.
 CN Iron, [2,3,7,8,12,13,17,18-octaphenyl-21H,23H-porphyrazinato(2-)-
 N21,N22,N23,N24]bis(pyridine)-, (OC-6-12)-

OTHER NAMES:

CN (Octaphenyltetraazaporphinato)bis(pyridine)iron
 MF C74 H50 Fe N10
 CI CCS
 SR CA
 LC STN Files: CA, CAPLUS



10 REFERENCES IN FILE CA (1907 TO DATE)
 10 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 541 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
 RN 123842-59-1 REGISTRY
 CN Iron, μ-nitridobis[2,3,7,8,12,13,17,18-octaphenyl-21H,23H-
 porphyrazinato(2-)-N21,N22,N23,N24] (pyridine)superoxidodi- (9CI) (CA
 INDEX NAME)

OTHER CA INDEX NAMES:

CN 21H,23H-Porphyrazine, 2,3,7,8,12,13,17,18-octaphenyl-, iron complex
 CN 21H,23H-Porphyrazine, iron deriv.
 CN Hydroperoxo, iron complex
 CN Nitride, iron complex

MF C133 H85 Fe2 N18 O2
 CI CCS
 SR CA
 LC STN Files: CA, CAPLUS

STRUCTURE DIAGRAM IS NOT AVAILABLE

- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 542 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
RN 123842-58-0 REGISTRY
CN Iron, μ -nitridobis[2,3,7,8,12,13,17,18-octaphenyl-21H,23H-porphyrazinato(2-)-N21,N22,N23,N24](pyridine)di- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 21H,23H-Porphyrazine, 2,3,7,8,12,13,17,18-octaphenyl-, iron complex
CN 21H,23H-Porphyrazine, iron deriv.
CN Nitride, iron complex
MF C133 H85 Fe2 N18
CI CCS
SR CA
LC STN Files: CA, CAPLUS

STRUCTURE DIAGRAM IS NOT AVAILABLE

- 1 REFERENCES IN FILE CA (1907 TO DATE)
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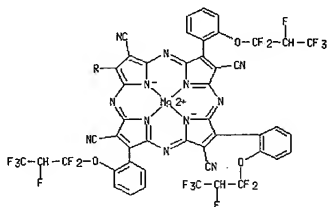
L3 ANSWER 543 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
RN 123842-57-9 REGISTRY
CN Iron, μ -nitridobis[2,3,7,8,12,13,17,18-octaphenyl-21H,23H-porphyrazinato(2-)-KN21,KN22,KN23,KN24]di- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 21H,23H-Porphyrazine, 2,3,7,8,12,13,17,18-octaphenyl-, iron complex
CN 21H,23H-Porphyrazine, iron deriv.
CN Iron, μ -nitridobis[2,3,7,8,12,13,17,18-octaphenyl-21H,23H-porphyrazinato(2-)-N21,N22,N23,N24]di-
CN Nitride, iron complex
MF C128 H80 Fe2 N17
CI CCS
SR CA
LC STN Files: CA, CAPLUS

STRUCTURE DIAGRAM IS NOT AVAILABLE

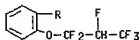
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- 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 544 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
RN 123180-78-9 REGISTRY
CN Magnesium, [3,8,13,18-tetrakis[2-(1,1,2,3,3,3-hexafluoropropoxy)phenyl]-21H,23H-porphyrazine-2,7,12,17-tetracarbonitrilato(2-)-N21,N22,N23,N24]-, (SP-4-1)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 21H,23H-Porphyrazine, magnesium deriv.
CN 21H,23H-Porphyrazine-2,7,12,17-tetracarbonitrile, 3,8,13,18-tetrakis[2-(1,1,2,3,3,3-hexafluoropropoxy)phenyl]-, magnesium complex
MF C56 H20 F24 Mg N12 O4
CI CCS
SR CA
LC STN Files: CA, CAPLUS

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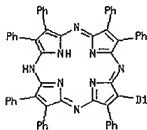


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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 545 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
RN 122385-70-0 REGISTRY
CN Porphyrazine, (chlorophenyl)heptaphenyl- (6CI) (CA INDEX NAME)
MF C64 H41 Cl N8
CI IDS
SR CAOLD
LC STN Files: CA, CAOLD, CAPLUS

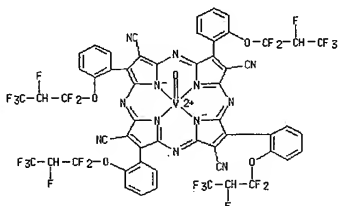


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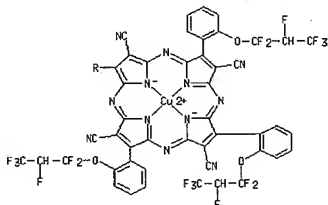
L3 ANSWER 546 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
RN 122286-93-5 REGISTRY
CN Vanadium, oxo[3,8,13,18-tetrakis[2-(1,1,2,3,3,3-hexafluoropropoxy)phenyl]-21H,23H-porphyrazine-2,7,12,17-tetracarbonitrilato(2-)-N21,N22,N23,N24]-, (SP-5-12)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 21H,23H-Porphyrazine, vanadium deriv.
CN 21H,23H-Porphyrazine-2,7,12,17-tetracarbonitrile, 3,8,13,18-tetrakis[2-(1,1,2,3,3,3-hexafluoropropoxy)phenyl]-, vanadium complex
MF C56 H20 F24 N12 O5 V
CI CCS
SR CA
LC STN Files: CA, CAPLUS



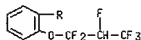
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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 547 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
RN 122250-67-3 REGISTRY
CN Copper, [3,8,13,18-tetrakis[2-(1,1,2,3,3,3-hexafluoropropoxy)phenyl]-21H,23H-porphyrazine-2,7,12,17-tetracarbonitrilato(2-)-N21,N22,N23,N24]-, (SP-4-1)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 21H,23H-Porphyrazine-2,7,12,17-tetracarbonitrile, 3,8,13,18-tetrakis[2-(1,1,2,3,3,3-hexafluoropropoxy)phenyl]-, copper complex
MF C56 H20 Cu F24 N12 O4
CI CCS
SR CA
LC STN Files: CA, CAPLUS

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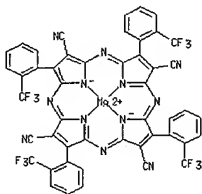
PAGE 2-R



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 548 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
RN 122250-66-2 REGISTRY
CN Magnesium, [3,8,13,18-tetrakis[2-(trifluoromethyl)phenyl]-21H,23H-porphyrazine-2,7,12,17-tetracarbonitrilato(2-)-N21,N22,N23,N24]-, (SP-4-1)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 21H,23H-Porphyrazine, magnesium deriv.
CN 21H,23H-Porphyrazine-2,7,12,17-tetracarbonitrile, 3,8,13,18-tetrakis[2-(trifluoromethyl)phenyl]-, magnesium complex
CN Magnesium, [3,8,13,18-tetrakis[2-(trifluoromethyl)phenyl]-21H,23H-porphyrazine-2,7,12,17-tetracarbonitrilato(2-)-N21,N22,N23,N24]-, (SP-4-1)-
MF C48 H16 F12 Mg N12
CI CCS
SR CA

LC STN Files: CA, CAPLUS



2 REFERENCES IN FILE CA (1907 TO DATE)

2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 549 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN

RN 122227-63-8 REGISTRY

CN Magnesium, [3,8,13,18-tetrakis[4-[ethyl(2,2,3,3-tetrafluoropropyl)amino]phenyl]-21H,23H-porphyrazine-2,7,12,17-tetracarbonitrilato(2-)-N21,N22,N23,N24]-, (SP-4-1)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 21H,23H-Porphyrazine, magnesium deriv.

CN 21H,23H-Porphyrazine-2,7,12,17-tetracarbonitrile, 3,8,13,18-tetrakis[4-[ethyl(2,2,3,3-tetrafluoropropyl)amino]phenyl]-, magnesium complex

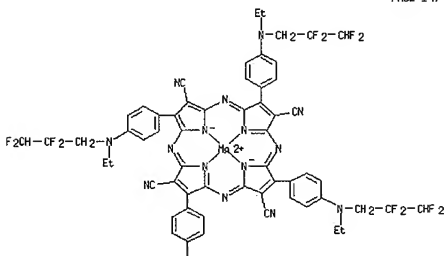
MF C64 H48 F16 Mg N16

CI CCS

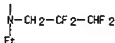
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LC STN Files: CA, CAPLUS

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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 550 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN

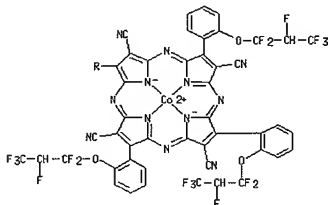
RN 122227-62-7 REGISTRY

CN Cobalt, [3,8,13,18-tetrakis[2-(1,1,2,3,3,3-hexafluoropropoxy)phenyl]-21H,23H-porphyrazine-2,7,12,17-tetracarbonitrilato(2-)-N21,N22,N23,N24]-, (SP-4-1)- (9CI) (CA INDEX NAME)

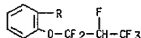
OTHER CA INDEX NAMES:

CN 21H,23H-Porphyrazine, cobalt deriv.
 CN 21H,23H-Porphyrazine-2,7,12,17-tetracarbonitrile, 3,8,13,18-tetrakis[2-(1,1,2,3,3,3-hexafluoropropoxy)phenyl]-, cobalt complex
 MF C56 H20 Co F24 N12 O4
 CI CCS
 SR CA
 LC STN Files: CA, CAPLUS

PAGE 1-A

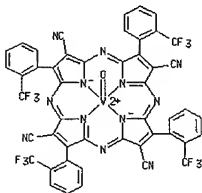


PAGE 2-A



1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 551 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
 RN 122227-61-6 REGISTRY
 CN Vanadium, oxo[3,8,13,18-tetrakis[2-(trifluoromethyl)phenyl]-21H,23H-porphyrazine-2,7,12,17-tetracarbonitrilato(2-)-N21,N22,N23,N24]-, (SP-5-12)- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 21H,23H-Porphyrazine-2,7,12,17-tetracarbonitrile, 3,8,13,18-tetrakis[2-(trifluoromethyl)phenyl]-, vanadium complex
 MF C48 H16 F12 N12 O V
 CI CCS
 SR CA
 LC STN Files: CA, CAPLUS

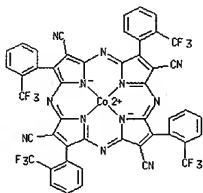


1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 552 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
 RN 122227-60-5 REGISTRY
 CN Cobalt, [3,8,13,18-tetrakis[2-(trifluoromethyl)phenyl]-21H,23H-porphyrazine-2,7,12,17-tetracarbonitrilato(2-)-κN21,κN22,κN23,κN24]-, (SP-4-1)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 21H,23H-Porphyrazine, cobalt deriv.
 CN 21H,23H-Porphyrazine-2,7,12,17-tetracarbonitrile, 3,8,13,18-tetrakis[2-(trifluoromethyl)phenyl]-, cobalt complex
 CN Cobalt, [3,8,13,18-tetrakis[2-(trifluoromethyl)phenyl]-21H,23H-porphyrazine-2,7,12,17-tetracarbonitrilato(2-)-N21,N22,N23,N24]-, (SP-4-1)-
 MF C48 H16 Co F12 N12
 CI CCS
 SR CA
 LC STN Files: CA, CAPLUS

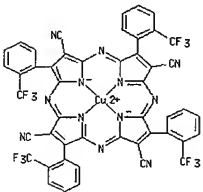


2 REFERENCES IN FILE CA (1907 TO DATE)
 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 553 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
 RN 122227-59-2 REGISTRY
 CN Copper, [3,8,13,18-tetrakis[2-(trifluoromethyl)phenyl]-21H,23H-porphyrazine-2,7,12,17-tetracarbonitrilato(2-)-N21,N22,N23,N24]-, (SP-4-1)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

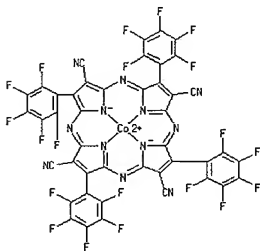
CN 21H,23H-Porphyrazine, copper deriv.
 CN 21H,23H-Porphyrazine-2,7,12,17-tetracarbonitrile, 3,8,13,18-tetrakis[2-(trifluoromethyl)phenyl]-, copper complex
 CN Copper, [3,8,13,18-tetrakis[2-(trifluoromethyl)phenyl]-21H,23H-porphyrazine-2,7,12,17-tetracarbonitrilato(2-)-N21,N22,N23,N24]-, (SP-4-1)-
 MF C48 H16 Cu F12 N12
 CI CCS
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL



3 REFERENCES IN FILE CA (1907 TO DATE)
 3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

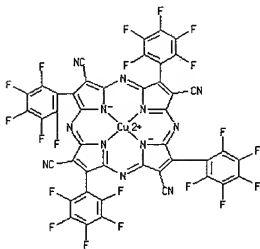
L3 ANSWER 554 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN

RN 122227-58-1 REGISTRY
 CN Cobalt, [3,8,13,18-tetrakis(pentafluorophenyl)-21H,23H-porphyrazine-2,7,12,17-tetracarbonitrilato(2-)-N21,N22,N23,N24]-, (SP-4-1)- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 21H,23H-Porphyrazine, cobalt deriv.
 CN 21H,23H-Porphyrazine-2,7,12,17-tetracarbonitrile, 3,8,13,18-tetrakis(pentafluorophenyl)-, cobalt complex
 MF C44 Co F20 N12
 CI CCS
 SR CA
 LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 555 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
 RN 122227-57-0 REGISTRY
 CN Copper, [3,8,13,18-tetrakis(pentafluorophenyl)-21H,23H-porphyrazine-2,7,12,17-tetracarbonitrilato(2-)-N21,N22,N23,N24]-, (SP-4-1)- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 21H,23H-Porphyrazine, copper deriv.
 CN 21H,23H-Porphyrazine-2,7,12,17-tetracarbonitrile, 3,8,13,18-tetrakis(pentafluorophenyl)-, copper complex
 MF C44 Cu F20 N12
 CI CCS
 SR CA
 LC STN Files: CA, CAPLUS

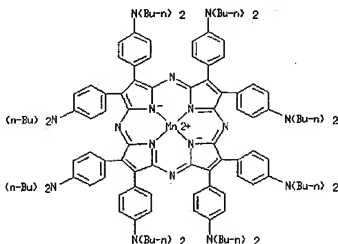


2 REFERENCES IN FILE CA (1907 TO DATE)
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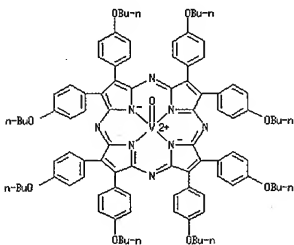
L3 ANSWER 556 OF 581  REGISTRY  COPYRIGHT 2003 ACS on STN
RN 122227-56-9  REGISTRY
CN Magnesium, [3,8,13,18-tetrakis(pentafluorophenyl)-21H,23H-porphyrazine-
2,7,12,17-tetracarbonitrilato(2-)-N21,N22,N23,N24]-, (SP-4-1)- (9CI) (CA
INDEX NAME)
OTHER CA INDEX NAMES:
CN 21H,23H-Porphyrazine, magnesium deriv.
CN 21H,23H-Porphyrazine-2,7,12,17-tetracarbonitrile, 3,8,13,18-
tetrakis(pentafluorophenyl)-, magnesium complex
MF C44 F20 Mg N12
CI CCS
SR CA
LC STN Files: CA, CAPLUS

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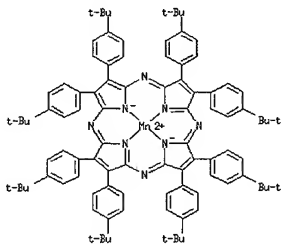
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 558 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
RN 116449-49-1 REGISTRY
CN Vanadium, [2,3,7,8,12,13,17,18-octakis(4-butoxyphenyl)-21H,23H-porphyrazinato(2-)-N21,N22,N23,N24]oxo-, (SP-5-12)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 21H,23H-Porphyrazine, 2,3,7,8,12,13,17,18-octakis(4-butoxyphenyl)-, vanadium complex
CN 21H,23H-Porphyrazine, vanadium deriv.
MF C96 H104 N8 O9 V
CI CCS
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 559 OF 581 REGISTRY COPYRIGHT 2003 ACS on STN
RN 116449-48-0 REGISTRY
CN Manganese, [2,3,7,8,12,13,17,18-octakis[4-(1,1-dimethylethyl)phenyl]-21H,23H-porphyrazinato(2-)-N21,N22,N23,N24]-, (SP-4-1)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 21H,23H-Porphyrazine, 2,3,7,8,12,13,17,18-octakis[4-(1,1-dimethylethyl)phenyl]-, manganese complex
CN 21H,23H-Porphyrazine, manganese deriv.
MF C96 H104 Mn N8
CI CCS
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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FILE LAST UPDATED: 13 Nov 2003 (20031113/ED)

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=> s 4645-35-6

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Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

L5 27 L4

=> d 15 1-27

L5 ANSWER 1 OF 27 CA COPYRIGHT 2003 ACS on STN

Full Citing
Text References

AN 139:328977 CA
TI Reactions of Chelate Complexes with Macrocyclic Ligands.

Octaphenyltetraazaporphine and Its Derivatives
 AU Mamardashvili, G. M.; Chizhova, N. V.; Berezin, B. D.
 CS Institute of Solution Chemistry, Russian Academy of Sciences, Ivanovo,
 153045, Russia
 SO Russian Journal of Coordination Chemistry (Translation of
 Koordinatsionnaya Khimiya) (2003), 29(5), 348-351
 CODEN: RJCCEY; ISSN: 1070-3284
 PB MAIK Nauka/Interperiodica Publishing
 DT Journal
 LA English
 RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 2 OF 27 CA COPYRIGHT 2003 ACS on STN

Full Text Cited References
 AN 139:203356 CA
 TI Solubility of Nitro and Bromo Derivatives of Octaphenyltetraazaporphine
 AU Mamardashvili, G. M.; Chizhova, N. V.; Berezin, B. D.
 CS Institute of Solution Chemistry, Russian Academy of Sciences, Ivanovo,
 Russia
 SO Russian Journal of General Chemistry (Translation of Zhurnal Obshchei
 Khimii) (2003), 73(2), 297-299
 CODEN: RJCCEY; ISSN: 1070-3632
 PB MAIK Nauka/Interperiodica Publishing
 DT Journal
 LA English
 RE.CNT 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 3 OF 27 CA COPYRIGHT 2003 ACS on STN

Full Text Cited References
 AN 139:186536 CA
 TI Rhodium(III) and Iridium(III) Complexes with Octaphenyltetraazaporphine:
 Synthesis and Study of Their Acid Forms in Proton-Donor Media
 AU Stuzhin, P. A.; Kabeshova, E. V.; Khelevina, O. G.
 CS Ivanovo State Academy of Chemical Technology, Ivanovo, Russia
 SO Russian Journal of Coordination Chemistry (Translation of
 Koordinatsionnaya Khimiya) (2003), 29(5), 352-356
 CODEN: RJCCEY; ISSN: 1070-3284
 PB MAIK Nauka/Interperiodica Publishing
 DT Journal
 LA English
 RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 4 OF 27 CA COPYRIGHT 2003 ACS on STN

Full Text Cited References
 AN 139:186431 CA
 TI Reaction of intracomplex salts of α -amino acids with porphyrins:
 effect of porphyrin origin
 AU Mamardashvili, G. M.; Berezin, B. D.
 CS Inst. Khim. Rastvorov, RAN, Ivanovo, Russia
 SO Zhurnal Neorganicheskoi Khimii (2003), 48(3), 512-515
 CODEN: ZNOKAQ; ISSN: 0044-457X
 PB MAIK Nauka/Interperiodica Publishing
 DT Journal
 LA Russian

L5 ANSWER 5 OF 27 CA COPYRIGHT 2003 ACS on STN

Full Text Cited References
 AN 136:268774 CA
 TI Complex formation of magnesium(II) with octaaryl tetraazaporphyrins in
 pyridine

AU Khelevina, O. G.; Rummyantseva, S. V.; Antina, E. V.; Lebedeva, N. Sh.
 CS Ivanovo State University of Chemical Engineering, Ivanovo, Russia
 SO Russian Journal of General Chemistry (Translation of Zhurnal Obshchei
 Khimii) (2001), 71(7), 1058-1065
 CODEN: RJGCEK; ISSN: 1070-3632
 PB MAIK Nauka/Interperiodica Publishing
 DT Journal
 LA English
 RE.CNT 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 6 OF 27 CA COPYRIGHT 2003 ACS on STN

Full Text Citing References
 AN 136:240628 CA
 TI Synthesis of water-soluble polysulfo(octaphenyltetraazaporphyrin)
 complexes of cobalt and copper
 AU Nemykin, V. N.; Cherniy, V. Ya.; Volkov, S. V.
 CS Inst. Obshchei i Neorg. Khim. im. V. I. Vernadskogo, NAN Ukr., Kiev,
 Ukraine
 SO Ukrainskii Khimicheskii Zhurnal (Russian Edition) (2001), 67(9-10), 3-6
 CODEN: UKZHAI; ISSN: 0041-6045
 PB Institut Obshchei i Neorganicheskoi Khimii im. V. I. Vernadskogo NAN
 Ukrainy
 DT Journal
 LA Russian

L5 ANSWER 7 OF 27 CA COPYRIGHT 2003 ACS on STN

Full Text Citing References
 AN 134:186026 CA
 TI Selectively light-absorptive material, coating composition containing the
 same, and filter manufactured using the coating composition for color
 displays
 IN Yang, Seung-Gak; Park, Jin-Bum; Bae, Geun-Taek; Lee, Ho-Chan
 PA SKC Co., Ltd., S. Korea
 SO PCT Int. Appl., 51 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001010971	A1	20010215	WO 2000-KR829	20000729
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	EP 1212384	A1	20020612	EP 2000-948380	20000729
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PRAI	KR 1999-31991	A	19990804		
	KR 1999-31992	A	19990804		
	KR 2000-28992	A	20000529		
	KR 2000-41426	A	20000719		
	WO 2000-KR829	W	20000729		

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 8 OF 27 CA COPYRIGHT 2003 ACS on STN

Full Text Citing References
 AN 133:112365 CA

TI Electrophotographic photoreceptor containing tetraazaporphyrin, process
 cartridge, and apparatus
 IN Tanaka, Masato
 PA Canon Inc., Japan
 SO Jpn. Kokai Tokkyo Koho, 13 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2000194150	A2	20000714	JP 1998-376938	19981228
PRAI	JP 1998-376938		19981228		
OS	MARPAT 133:112365				

L5 ANSWER 9 OF 27 CA COPYRIGHT 2003 ACS on STN

Full Text Citing References

AN 132:250757 CA
 TI Influence of the tetraazaporphyrin structure on its coordination to
 magnesium(II) acetate in pyridine solutions
 AU Khelevina, O. G.; Rummyantseva, S. V.
 CS Ivanovo State Academy of Chemical Technology, Ivanovo, Russia
 SO Russian Journal of Coordination Chemistry (Translation of
 Koordinatsionnaya Khimiya) (2000), 26(2), 82-88
 CODEN: RJCCEY; ISSN: 1070-3284
 PB MAIK Nauka/Interperiodica Publishing
 DT Journal
 LA English
 RE.CNT 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 10 OF 27 CA COPYRIGHT 2003 ACS on STN

Full Text Citing References

AN 131:248833 CA
 TI Kinetics of complexation between zinc acetate and
 octaphenyltetraazaporphyrins in a chloroform-pyridine medium
 AU Khelevina, O. G.; Chizhova, N. V.; Rummyantseva, S. V.
 CS Ivanovo State Academy of Chemical Technology, Ivanovo, Russia
 SO Russian Journal of Coordination Chemistry (Translation of
 Koordinatsionnaya Khimiya) (1999), 25(9), 634-637
 CODEN: RJCCEY; ISSN: 1070-3284
 PB MAIK Nauka/Interperiodica Publishing
 DT Journal
 LA English
 RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 11 OF 27 CA COPYRIGHT 2003 ACS on STN

Full Text Citing References

AN 123:143506 CA
 TI Sulfonation of octaphenyl-meso-tetraazaporphine and its copper complex
 AU Chizhova, N. V.; Khelevina, O. G.; Berezin, B. D.
 CS Inst. Khim. Nevodn. Rastv., Ivanovo, Russia
 SO Zhurnal Organicheskoi Khimii (1994), 30(10), 1566-7
 CODEN: ZORKAE; ISSN: 0514-7492
 PB Nauka
 DT Journal
 LA Russian

L5 ANSWER 12 OF 27 CA COPYRIGHT 2003 ACS on STN

Full Text Citing References

AN 121:300636 CA
 TI Synthesis of octaphenyltetraazaporphine-based sulfonyl chlorides

AU Chizhova, N. V.; Khelevina, O. G.; Berezin, B. D.
 CS Russia
 SO Zhurnal Organicheskoi Khimii (1993), 29(11), 2211-13
 CODEN: ZORKAE; ISSN: 0514-7492
 DT Journal
 LA Russian

L5 ANSWER 13 OF 27 CA COPYRIGHT 2003 ACS on STN

[Full Text](#) [Citing References](#)
 AN 121:35123 CA
 TI Bromination of porphyrins
 AU Chizhov, N. V.; Khelevina, O. G.; Berezin, B. D.
 CS Ivanov. Gos. Khim.-Tekhnol. Inst., Ivanova, Russia
 SO Izvestiya Vysshikh Uchebnykh Zavedenii, Khimiya i Khimicheskaya
 Tekhnologiya (1994), 37(1), 20-3
 CODEN: IVUKAR; ISSN: 0579-2991
 DT Journal
 LA Russian

L5 ANSWER 14 OF 27 CA COPYRIGHT 2003 ACS on STN

[Full Text](#) [Citing References](#)
 AN 120:87856 CA
 TI Acid-base ionization of octaphenyltetraazaporphine in dimethylformamide
 AU Tsvetkova, I. V.; Andrianov, V. G.; Berezin, B. D.
 CS Ivanov. Khim.-Tekhnol. Inst., Russia
 SO Izvestiya Vysshikh Uchebnykh Zavedenii, Khimiya i Khimicheskaya
 Tekhnologiya (1993), 36(5), 32-5
 CODEN: IVUKAR; ISSN: 0579-2991
 DT Journal
 LA Russian

L5 ANSWER 15 OF 27 CA COPYRIGHT 2003 ACS on STN

[Full Text](#) [Citing References](#)
 AN 120:8379 CA
 TI Effect of substituents in the macroring on solubility of
 tetraazaporphyrins
 AU Trofimenko, G. M.; Chizhova, N. V.; Berezin, B. D.
 CS Inst. Khim. Nevodn. Rastvorov, Ivanovo, Russia
 SO Zhurnal Obshchei Khimii (1993), 63(4), 920-3
 CODEN: ZOKHA4; ISSN: 0044-460X
 DT Journal
 LA Russian

L5 ANSWER 16 OF 27 CA COPYRIGHT 2003 ACS on STN

[Full Text](#) [Citing References](#)
 AN 113:238783 CA
 TI Azaporphyrins and features of their coordination of 3d metal salts in
 pyridine
 AU Khelevina, O. G.; Berezin, B. D.; Petrov, O. A.; Glazunov, A. V.
 CS Ivanov. Khim. Tekhnol. Inst., Ivanovo, USSR
 SO Koordinatsionnaya Khimiya (1990), 16(8), 1047-52
 CODEN: KOKHDC; ISSN: 0132-344X
 DT Journal
 LA Russian

L5 ANSWER 17 OF 27 CA COPYRIGHT 2003 ACS on STN

[Full Text](#) [Citing References](#)
 AN 113:47488 CA
 TI Spectroscopy of the acid-base interaction of tetraazaporphine complexes in
 nonaqueous solutions
 AU Stuzhin, P. A.; Khelevina, O. G.; Ryabova, M. N.; Berezin, B. D.
 CS Ivanov. Khim.-Tekhnol. Inst., Ivanovo, USSR

SO Zhurnal Prikladnoi Spektroskopii (1990), 52(1), 94-100
 CODEN: ZPSBAX; ISSN: 0514-7506
 DT Journal
 LA Russian

L5 ANSWER 18 OF 27 CA COPYRIGHT 2003 ACS on STN

Full Text Citings
 References

AN 98:41403 CA
 TI Kinetics of formation of octaphenyltetrazaporphine complexes in a pyridine solution
 AU Berezina, B. D.; Khelevina, O. G.; Gerasimova, N. D.; Stuzhin, P. A.
 CS Ivanov.-Khim.-Tekhnol. Inst., Ivanovo, USSR
 SO Zhurnal Fizicheskoi Khimii (1982), 56(11), 2768-72
 CODEN: ZFKHA9; ISSN: 0044-4537
 DT Journal
 LA Russian

L5 ANSWER 19 OF 27 CA COPYRIGHT 2003 ACS on STN

Full Text Citings
 References

AN 95:193017 CA
 TI Stability of a nickel complex of octaphenyltetraazaporphin
 AU Khelevina, O. G.; Berezin, B. D.; Olemskaya, L. V.
 CS Ivanov. Khim. Tekhnol. Inst., Ivanovo, USSR
 SO Izvestiya Vysshikh Uchebnykh Zavedenii, Khimiya i Khimicheskaya Tekhnologiya (1981), 24(8), 949-53
 CODEN: IVUKAR; ISSN: 0579-2991
 DT Journal
 LA Russian

L5 ANSWER 20 OF 27 CA COPYRIGHT 2003 ACS on STN

Full Text Citings
 References

AN 86:163624 CA
 TI Stabilized photothermographic receptor film
 IN Conder, Terrence M.; O'Leary, Kevin P.
 PA Minnesota Mining and Mfg. Co., USA
 SO Ger. Offen., 26 pp.
 CODEN: GWXXBX
 DT Patent
 LA German
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2634893	A1	19770217	DE 1976-2634893	19760803
	BE 844838	A1	19770203	BE 1976-169518	19760803
	JP 52019517	A2	19770214	JP 1976-92745	19760803
	FR 2320578	A1	19770304	FR 1976-23670	19760803
	FR 2320578	B1	19810925		
	GB 1546223	A	19790411	GB 1976-32340	19760803
	CH 620640	A	19801215	CH 1976-9919	19760803
PRAI	US 1975-601717		19750804		
	US 1976-702849		19760706		

L5 ANSWER 21 OF 27 CA COPYRIGHT 2003 ACS on STN

Full Text Citings
 References

AN 72:55423 CA
 TI Preparation and photochemistry of some tetrazaporphines
 AU Blackburn, E. V.; Timmons, C. J.
 CS Chem. Dep., Univ. Nottingham, Nottingham, UK
 SO Journal of the Chemical Society [Section] C: Organic (1970), (1), 175-8
 CODEN: JSOOAX; ISSN: 0022-4952
 DT Journal
 LA English

L5 ANSWER 22 OF 27 CA COPYRIGHT 2003 ACS on STN

Full Text Citing References

AN 63:80660 CA
 OREF 63:14863e-f
 TI Successive one-electron reduction potentials of porphins and metal porphins in dimethylformamide
 AU Clack, D. W.; Hust, N. S.
 CS Univ. Bristol, UK
 SO Journal of the American Chemical Society (1965), 87(19), 4238-42
 CODEN: JACSAT; ISSN: 0002-7863
 DT Journal
 LA English

L5 ANSWER 23 OF 27 CA COPYRIGHT 2003 ACS on STN

Full Text Citing References

AN 55:28019 CA
 OREF 55:5552f-i,5553a-e
 TI Porphyrin photosensitizers in photooxidation
 IN Sharp, Dexter B.
 PA Monsanto Chemical Co.
 DT Patent
 LA Unavailable

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2951797		19600906	US	
GB 895450			GB	

L5 ANSWER 24 OF 27 CA COPYRIGHT 2003 ACS on STN

Full Text Citing References

AN 54:34359 CA
 OREF 54:6771a-b
 TI Tetraazaporphines
 IN Yagi, Hiroshi
 PA Sumitomo Chemical Industry Co., Ltd.
 DT Patent
 LA Unavailable

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 34000633		19590212	JP	

L5 ANSWER 25 OF 27 CA COPYRIGHT 2003 ACS on STN

Full Text Citing References

AN 54:34358 CA
 OREF 54:6770i,6771a
 TI Aryl derivatives of tetraazaporphine, containing no metals
 IN Yagi, Hiroshi
 PA Sumitomo Chemical Industry Co., Ltd.
 DT Patent
 LA Unavailable

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 34000634		19590212	JP	

L5 ANSWER 26 OF 27 CA COPYRIGHT 2003 ACS on STN

Full Text Citing References

AN 50:93266 CA
 OREF 50:17465c-i
 TI Dye intermediates and dyes of the tetraazaporphine series
 IN Beech, Walter F.; France, Harold; Haddock, Norman H.; Howard, Harold T.;

PA Parkinson, Alexander; Woods, John C.
 DT Imperial Chemical Industries Ltd.
 LA Patent
 LA Unavailable
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 749692		19560530	GB	

L5 ANSWER 27 OF 27 CA COPYRIGHT 2003 ACS on STN

Full Text Citing References

AN 31:44768 CA
 OREF 31:6237e-h
 TI Phthalocyanines. XI. The preparation of octaphenylporphyrazines from diphenylmaleinitrile
 AU Cook, A. H.; Linstead, R. P.
 SO Journal of the Chemical Society, Abstracts (1937) 929-33
 CODEN: JCSAAZ; ISSN: 0590-9791
 DT Journal
 LA Unavailable

=> s 14640-02-9

REGISTRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...
 Use DISPLAY HITSTR (or PHITSTR) to directly view retrieved structures.

L7 20 L6

=> d 17 1-20

L7 ANSWER 1 OF 20 CA COPYRIGHT 2003 ACS on STN

Full Text Citing References

AN 136:385957 CA
 TI Sulfamoyl derivatives of octaphenyltetraazaporphine
 AU Kulinich, V. P.; Shaposhnikov, G. P.
 CS Ivanovo State University of Chemical Engineering, Ivanovo, Russia
 SO Russian Journal of General Chemistry (Translation of Zhurnal Obshchei Khimii) (2001), 71(10), 1653-1655
 CODEN: RJGCEK; ISSN: 1070-3632
 PB MAIK Nauka/Interperiodica Publishing
 DT Journal
 LA English
 RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 2 OF 20 CA COPYRIGHT 2003 ACS on STN

Full Text Citing References

AN 136:93442 CA
 TI (Octaphenyl-tetraazaporphine)magnesium, its preparation, and its use as charge generation substance in electrophotographic photoconductor, process cartridge, and electrophotographic apparatus
 IN Tanaka, Masato
 PA Canon Inc., Japan
 SO Jpn. Kokai Tokyo Koho, 13 pp.
 CODEN: JKXXAF
 DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2002003493	A2	20020109	JP 2000-192573	20000627
PRAI	JP 2000-192573		20000627		

L7 ANSWER 3 OF 20 CA COPYRIGHT 2003 ACS on STN

Full Text

AN 134:186026 CA

TI Selectively light-absorptive material, coating composition containing the same, and filter manufactured using the coating composition for color displays

IN Yang, Seung-Gak; Park, Jin-Bum; Bae, Geun-Taek; Lee, Ho-Chan

PA SKC Co., Ltd., S. Korea

SO PCT Int. Appl., 51 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001010971	A1	20010215	WO 2000-KR829	20000729
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	EP 1212384	A1	20020612	EP 2000-948380	20000729
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
PRAI	KR 1999-31991	A	19990804		
	KR 1999-31992	A	19990804		
	KR 2000-28992	A	20000529		
	KR 2000-41426	A	20000719		
	WO 2000-KR829	W	20000729		

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 4 OF 20 CA COPYRIGHT 2003 ACS on STN

Full Text

AN 133:112365 CA

TI Electrophotographic photoreceptor containing tetraazaporphyrin, process cartridge, and apparatus

IN Tanaka, Masato

PA Canon Inc., Japan

SO Jpn. Kokai Tokkyo Koho, 13 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2000194150	A2	20000714	JP 1998-376938	19981228
PRAI	JP 1998-376938		19981228		
OS	MARPAT 133:112365				

L7 ANSWER 5 OF 20 CA COPYRIGHT 2003 ACS on STN

Full Text

AN 130:275688 CA

TI Synthesis of metal complexes of octaphenyltetraazaporphine starting from

iminoaminodiphenylpyrrole
 AU Vasil'ev, S. I.; Kulinich, V. P.; Shaposhnikov, G. P.; Smirnov, R. P.
 CS Ivanovo State Chemical Engineering Academy, Ivanovo, Russia
 SO Russian Journal of General Chemistry (Translation of Zhurnal Obshchei
 Khimii) (1998), 68(8), 1264-1266
 CODEN: RJGCEK; ISSN: 1070-3632
 PB MAIK Nauka/Interperiodica Publishing
 DT Journal
 LA English
 RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 6 OF 20 CA COPYRIGHT 2003 ACS on STN

Full Text Citing References

AN 123:198494 CA
 TI Nitration of octaphenyl-meso-tetraazaporphine
 AU Chizhova, N. V.; Berezin, B. D.
 CS Inst. Khim. Nevodn. Rastvorov, Ross. Akad. Nauk, Ivanovo, Russia
 SO Zhurnal Organicheskoi Khimii (1994), 30(11), 1678-80
 CODEN: ZORKAE; ISSN: 0514-7492
 PB Nauka
 DT Journal
 LA Russian

L7 ANSWER 7 OF 20 CA COPYRIGHT 2003 ACS on STN

Full Text Citing References

AN 120:284560 CA
 TI Photochemical stability of tetraazaporphyrins
 AU Khelevina, O. G.; Chizhova, N. V.; Berezin, B. D.
 CS Ivanov. Khim.-Tekhnol., Ivanovo, Russia
 SO Zhurnal Fizicheskoi Khimii (1993), 67(9), 1877-9
 CODEN: ZFKHA9; ISSN: 0044-4537
 DT Journal
 LA Russian

L7 ANSWER 8 OF 20 CA COPYRIGHT 2003 ACS on STN

Full Text Citing References

AN 118:48314 CA
 TI Spectroscopy, electrochemistry, and spectroelectrochemistry of
 tetra-tert-butylated and octaphenylated tetraazaporphyrins
 AU Kobayashi, Nagao; Nakajima, Shinichiro; Osa, Tetsuo
 CS Pharm. Inst., Tohoku Univ., Aoba, 980, Japan
 SO Chemistry Letters (1992), (12), 2415-18
 CODEN: CMLTAG; ISSN: 0366-7022
 DT Journal
 LA English

L7 ANSWER 9 OF 20 CA COPYRIGHT 2003 ACS on STN

Full Text Citing References

AN 116:139333 CA
 TI Third-order nonlinear optical response in polymer thin films incorporating
 porphyrin derivatives
 AU Norwood, R. A.; Sounik, J. R.
 CS Hoechst Celanese Corp., Summit, NJ, 07901, USA
 SO Applied Physics Letters (1992), 60(3), 295-7
 CODEN: APPLAB; ISSN: 0003-6951
 DT Journal
 LA English

L7 ANSWER 10 OF 20 CA COPYRIGHT 2003 ACS on STN

Full Text Citing References

AN 115:241076 CA

TI Effect of aza and alkyl substitutions on the solubility and solution thermodynamics of porphyrin molecules
AU Berezin, B. D.; Khelevina, O. G.; Trofimenko, G. M.
CS Ivanov. Khim.-Tekhnol. Inst., Ivanovo, USSR
SO Zhurnal Fizicheskoi Khimii (1991), 65(8), 2055-9
CODEN: ZFKHA9; ISSN: 0044-4537
DT Journal
LA Russian

L7 ANSWER 11 OF 20 CA COPYRIGHT 2003 ACS on STN

Full Text Citings
References

AN 115:216155 CA
TI Thermodynamics of dissolution of octaphenyltetraazaporphyrin complexes in benzene and pyridine
AU Trofimenko, G. M.; Khelevina, O. G.; Berezin, B. D.
CS Ivanov. Khim. Tekhnol. Inst., Ivanovo, USSR
SO Koordinatsionnaya Khimiya (1991), 17(7), 941-4
CODEN: KOKHDC; ISSN: 0132-344X
DT Journal
LA Russian

L7 ANSWER 12 OF 20 CA COPYRIGHT 2003 ACS on STN

Full Text Citings
References

AN 112:85391 CA
TI Thermodynamics of solution of magnesium complexes of a series of tetraazaporphyrins in organic solvents
AU Khelevina, O. G.; Trofimenko, G. M.; Berezin, B. D.
CS Ivanov. Khim. Tekhnol. Inst., Ivanovo, USSR
SO Izvestiya Vysshikh Uchebnykh Zavedenii, Khimiya i Khimicheskaya Tekhnologiya (1989), 32(6), 57-60
CODEN: IVUKAR; ISSN: 0579-2991
DT Journal
LA Russian

L7 ANSWER 13 OF 20 CA COPYRIGHT 2003 ACS on STN

Full Text Citings
References

AN 103:96390 CA
TI Photocuring resin composition
PA Agency of Industrial Sciences and Technology, Japan
SO Jpn. Kokai Tokkyo Koho, 4 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 60078442	A2	19850504	JP 1983-185598	19831004
	JP 03044287	B4	19910705		
PRAI	JP 1983-185598		19831004		

L7 ANSWER 14 OF 20 CA COPYRIGHT 2003 ACS on STN

Full Text Citings
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AN 97:141864 CA
TI Photoreduction of magnesium and zinc complexes of octaphenyltetraazaporphine
AU Berezin, B. D.; Khelevina, O. G.; Brin, G. P.
CS Ivanov. Khim.-Tekhnol. Inst., Moscow, USSR
SO Zhurnal Fizicheskoi Khimii (1982), 56(6), 1490-3
CODEN: ZFKHA9; ISSN: 0044-4537
DT Journal
LA Russian

L7 ANSWER 15 OF 20 CA COPYRIGHT 2003 ACS on STN

Full Text Citing References

AN 96:12079 CA
 TI Effect of the nature of the proton donor medium on the stability and the protolytic dissociation mechanism of a magnesium octaphenyltetraazaporphine complex
 AU Berezin, B. D.; Khelevina, O. G.; Batov, D.
 CS Ivanov. Khim.-Tekhnol. Inst., Ivanovo, USSR
 SO Izvestiya Vysshikh Uchebnykh Zavedenii, Khimiya i Khimicheskaya Tekhnologiya (1981), 24(10), 1222-6
 CODEN: IVUKAR; ISSN: 0579-2991
 DT Journal
 LA Russian

L7 ANSWER 16 OF 20 CA COPYRIGHT 2003 ACS on STN

Full Text Citing References

AN 95:193017 CA
 TI Stability of a nickel complex of octaphenyltetraazaporphin
 AU Khelevina, O. G.; Berezin, B. D.; Olemskaya, L. V.
 CS Ivanov. Khim. Tekhnol. Inst., Ivanovo, USSR
 SO Izvestiya Vysshikh Uchebnykh Zavedenii, Khimiya i Khimicheskaya Tekhnologiya (1981), 24(8), 949-53
 CODEN: IVUKAR; ISSN: 0579-2991
 DT Journal
 LA Russian

L7 ANSWER 17 OF 20 CA COPYRIGHT 2003 ACS on STN

Full Text Citing References

AN 89:66028 CA
 TI Kinetic stability of a magnesium complex of octaphenyltetraazaporphine in acetic acid solutions
 AU Berezin, B. D.; Khelevina, O. G.; Frolova, O. M.
 CS Ivanov. Khim.-Tekhnol. Inst., Ivanovo, USSR
 SO Izvestiya Vysshikh Uchebnykh Zavedenii, Khimiya i Khimicheskaya Tekhnologiya (1978), 21(4), 500-5
 CODEN: IVUKAR; ISSN: 0579-2991
 DT Journal
 LA Russian

L7 ANSWER 18 OF 20 CA COPYRIGHT 2003 ACS on STN

Full Text Citing References

AN 64:39595 CA
 OREF 64:7381b-d
 TI Ground-state energies of mono-, di-, tri-, and tetranegative ions of porphins and their metal complexes
 AU Hush, N. S.
 CS Univ. Bristol, UK
 SO Theoretica Chimica Acta (1966), 4(2), 108-13
 CODEN: TCHAM; ISSN: 0040-5744
 DT Journal
 LA English

L7 ANSWER 19 OF 20 CA COPYRIGHT 2003 ACS on STN

Full Text Citing References

AN 63:80660 CA
 OREF 63:14863e-f
 TI Successive one-electron reduction potentials of porphins and metal porphins in dimethylformamide
 AU Clack, D. W.; Hust, N. S.
 CS Univ. Bristol, UK
 SO Journal of the American Chemical Society (1965), 87(19), 4238-42
 CODEN: JACSAT; ISSN: 0002-7863
 DT Journal

LA English

L7 ANSWER 20 OF 20 CA COPYRIGHT 2003 ACS on STN

Full
Text

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AN 62:7317 CA

OREF 62:1316h,1317a

TI The negative ions of some porphine and phthalocyanine derivatives, and
their electronic spectra

AU Dodd, J. W.; Hush, N. S.

CS Univ. Bristol, UK

SO Journal of the Chemical Society, Abstracts (1964), (Nov.), 4607-12

CODEN: JCSAAZ; ISSN: 0590-9791

DT Journal

LA English

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